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Bibliographies  
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Number 67

# The Protection of Leaf Vegetables, January 1979–April 1988

## Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



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**July 1988**

# **The Protection of Leaf Vegetables, January 1979–April 1988**

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Considerations**

**Compiled and Edited by Charles N. Bebee  
National Agricultural Library**



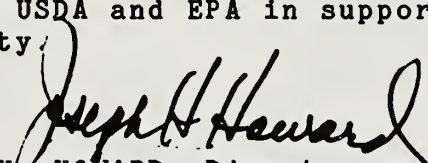
## FOREWORD

This is the 21st volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director  
National Agricultural Library



DOUGLAS D. CAMPT, Director  
Office of Pesticide Programs



The citations in this bibliography are selected from works by U.S. authors on the protection of leaf vegetables. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the database compiled by the National Agricultural Library.

This is the 21st bibliography included in a series jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Science Support Branch, Benefits and Use Division, Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Recent volumes in this series include The Protection of Sugarcane and Sugar Beets. Bibliographies planned for the current year include Plant Growth Regulators, The Protection of Hays, The Protection of Citrus, The Protection of Turf Grasses, The Protection of Root Vegetables, and The Protection of Rice.

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Guzman, V.L. Zitter, T.A. Gainesville : The Station. Circular S - Florida, Agricultural Experiment Station. Oct 1984. (313). 8 p. ill. Includes 3 references. (NAL Call No.: DNAL 100 F66CI).

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Guzman, V.L. Zitter, T.A. Gainesville : The Station. Circular S - Florida, Agricultural Experiment Station. Oct 1983. (305). 9 p. ill. Includes 4 references. (NAL Call No.: DNAL 100 F66CI).

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0049

**Fumigant development for killing insects on lettuce and other produce /Ruth Lynn Hooper ... et al. . --.**

Hooper, Ruth Lynn. Natick, Mass. : US Army Natick Research and Development Center, 1984. Final technical report 1 Oct. 80 - 30 Sept. 83.~ Contract No. D83-13.~ Report No. NATICK/TR-84/046; AD A146661. v, 8 leaves : 28 cm. Bibliography: leaf 6. (NAL Call No.: DNAL SB981.F8).

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XDAFA. Washington, D.C. : The Department. Farmers' bulletin - United States Department of Agriculture. 1984. (2239,rev.). 14 p. ill. (NAL Call No.: DNAL 1 AG84F).

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Colt, W.M. Beaver, G.; Simpson, W.R.; Finnigan, B. Moscow : The Service. Current information series - Cooperative Extension Service, University of Idaho. Oct 1983. (719). 3 p. ill. (NAL Call No.: DNAL 275.29 ID13IDC).

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**Identification of differential responses of cabbage cultivars to copper toxicity in solution culture.**

JOSHB. Rousos, P.A. Harrison, H.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Nov 1987. v. 112 (6). p. 928-931. Includes references. (NAL Call No.: DNAL 81 S012).

0053

**Incidence of broad bean wilt virus in lettuce in New York State and sources of resistance (Cucumber mosaic virus, lettuce mosaic virus, tolerance).**

Provvidenti, R. Robinson, R.W.; Shail, J.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 569-570. Includes 13 references. (NAL Call No.: SB1.H6).

0054

**Influence of growing season and insecticide frequency on cabbage.**

LOAGA. Sundstrom, F.J. Story, R.N. Baton Rouge, La. : The Station. Louisiana agriculture - Louisiana Agricultural Experiment Station. Winter 1986/1987. v. 30 (2). p. 6-7. ill. (NAL Call No.: DNAL 100 L939).

0055

**Influence of nematicides and methods of their application on growth and yield of cabbage in sting nematode infested soil (*Belonolaimus longicaudatus*).**

Rhoades, H.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 246-247. ill. 7 ref. (NAL Call No.: 81 F66).

0056

**The influence of spacing and nitrogen rate on yield and hollow stem in broccoli.**

OARCB. Gorski, S.F. Armstrong, D.M. Wooster, Ohio : The Center. Research circular - Ohio Agricultural Research and Development Center. Sept 1985. (288). p. 16-18. Includes references. (NAL Call No.: DNAL 100 OH3R).

0057

**The inheritance of bolt resistance in an interspecific cross Siberian kale (*Brassica napus*) x Chinese cabbage (*B. campestris* L. ssp. *pekinensis*) and an intraspecific cross Chinese cabbage x turnip (*B. campestris* L. ssp. *rapifera*) /by Carl E. Mero.**

Mero, Carl Eugene. 1983. Thesis (Ph. D.)--Michigan State University, 1983. 2 , viii, 97 leaves : ill. ; 29 cm. Bibliography: leaves 90-97. (NAL Call No.: DNAL DISS 83-15,486).

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**Inheritance of bolting resistance in an intraspecific Chinese cabbage x turnip cross.**

HUHSA. Mero, C.E. Honma, Ss. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1985. v. 20 (5). p. 881-882. ill. Includes 9 references. (NAL Call No.: DNAL SB1.H6).

0059

**Internal tipburn of cabbage its control through breeding / J.C. Walker, P.H. Williams, and G.S. Pound .**

Walker, J. C. 1893-. Williams, P. H.; Pound, G. S. Madison : Agricultural Experiment Station, University of Wisconsin, 1965. Cover title. 11 p. : ill. ; 23 cm. Bibliography: p. 11. (NAL Call No.: DNAL 100 W75 (2) no.258).

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**Kale and collard: Seed production in the Pacific Northwest.**

Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service.

June 1985. (269). 3 p. (NAL Call No.: DNAL 275.29 W27PN).

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**King Tut's lettuce Romaine .**  
ORGAA. Kane, M. Emmaus, Pa. : Rodale Press.  
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44-49. ill. (NAL Call No.: DNAL 57.8 OR32).

0062

**Lettuce (Commercial vegetable production).**  
Schoenemann, J.A. Binning, L.K. Madison, Wis.,  
The Programs. Publication - Cooperative  
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S544.3.W6W53).

0063

**Lettuce (Cultivation, diseases, insect pests  
and weeds).**  
Zandstra, B.H. Warncke, D.D.; Lacy, M.L. East  
Lansing, Mich. : The Service. Extension  
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**Lettuce production in a controlled environment  
plant growth unit.**  
Prince, R.P. Bartok, J.W. Jr.; Protheroe, D.W.  
Jr. St. Joseph, Mich., The Society.  
Transactions of the ASAE - American Society of  
Agricultural Engineers. May/June 1981. v. 24  
(3). p. 725-730. ill. 4 ref. (NAL Call No.:  
290.9 AM32T).

0065

**Mosaic and yellows resistant inbred cabbage  
varieties / G.S. Pound, P.H. Williams and J.C.  
Walker .**  
Pound, G. S. Williams, P. H.; Walker, J.  
C. 1893-. Madison : Agricultural Experiment  
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30. (NAL Call No.: DNAL 100 W75 (2) no.259).

0066

**Mustard and Chinese cabbage: Seed production in  
the Pacific Northwest.**  
Jarmin, M.L. Corvallis, Or. : The Service. PNW  
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Universities, Cooperative Extension Service.  
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0067

**Nitrogen utilization efficiency by drip  
irrigated celery receiving preplant or water  
applied N fertilizer (Apium graveolens,  
residual soil nitrogen, Hordeum vulgare,  
California).**  
Feigin, A. AGJ0A. Letey, J.; Jarrell, W.M.  
Madison : American Society of Agronomy.  
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**Performance of early blight resistant,  
slow-bolting and other celery breeding lines.**  
Wolf, E.A. White, J.M. Lake Alfred. Proceedings  
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Binning, L.K. Wyman, J.A.; Stevenson, W.R.  
Madison, Wis., The Programs. Publication -  
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Prince, R.P. Kraus, Y.; Bartok, J.W. Jr. St.  
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Dept. at (616) 429-0300 for information and  
prices. 1982. (fiche no. 82-4052). 1 microfiche  
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FICHE S-72).

0071

**Reducing celery leafminer damage with plant  
growth regulators (Liriomyza trifolii,  
Florida).**  
White, J.M. Musgrave Sutherland, C.A. S.L., The  
Society. Proceedings of the ... annual meeting  
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Van Steenwyk, R.A.CAGRA. Toscano, N.C. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Sept/Oct 1982. v. 36 (9/10). p. 14-15. ill. (NAL Call No.: 100 C12CAG).

0073

**Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants /by M.F. Babb.**  
Babb, M. F. 1897-. Washington : U.S. Dept. of Agriculture, 1941. Caption title. 35 p. : ill. ; 23 cm. Literature cited: p. 33-34. (NAL Call No.: DNAL 1 Ag84Te no.760).

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**Rhubarb.**  
Marr, Charles. Greig, J. K. & Horticulture facts. 1980. This publication discusses fertilization, varieties, planting, care, and pest control of rhubarb. Document available from: Kansas State University, Distribution Center, Umberger Hall, Manhattan, Kansas 66506. 1 sheet : ill. (NAL Call No.: Not available at NAL.). (NAL Call No.: MF-318).

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**Role of fenamiphos as a nemastat for control of Heterodera schachtii in cabbage production.**  
PLDRA. Muchena, P.K. Bird, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1987. v. 71 (6). p. 552-554. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0076

**Short Guzmaine, Tall Guzmaine and Floriglade.**  
Guzman, V.L. Gainesville : The Institute. Circular S - Florida Agricultural Experiment Stations, Institute of Food and Agricultural Sciences, University of Florida. June 1986. (326). 11 p. ill. Includes references. (NAL Call No.: DNAL 100 F66CI).

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**South Bay and Raleigh: two crisphead lettuce cultivars resistant to corky root rot for organic soils.**  
Guzman, V.L. Gainesville : The Institute. Circular S - Agricultural Experiment Stations, Institute of Food and Agricultural Sciences, University of Florida. Dec 1984. (310). p. 1-8. ill. (NAL Call No.: DNAL 100 F66CI).

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Martin, K. Emmaus, Pa. : Rodale Press. Rodale's organic gardening. Sept 1987. v. 34 (9). p. 53-54, 56. ill. (NAL Call No.: DNAL S605.5.R64).

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**Spinach: Seed production in the Pacific Northwest.**  
Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (267). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0080

**Spinach: Seed production in the Pacific Northwest.**  
Jarmin, M.L. Thornton, R.E. Corvallis, Or. : The Service. PNW - Pacific Northwest Cooperative Extension Publication - Oregon State University, Extension Service. June 1985. (267). 4 p. Includes references. (NAL Call No.: DNAL 275.29 W27PN).

0081

**Stimulating productivity of hydroponic lettuce in controlled environments with triacontanol.**  
HJHSA. Knight, S.L. Mitchell, C.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1987. v. 22 (6). p. 1307-1309. Includes references. (NAL Call No.: DNAL SB1.H6).

0082

**Stimulation of lettuce productivity by manipulation of diurnal temperature and light (Controlled environment agriculture, hydroponics).**  
Knight, S.L. HJHSA. Mitchell, C.A. Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4,sect.1). p. 462-463. Includes references. (NAL Call No.: SB1.H6).

0083

**Studies on the control of cabbage caterpillars with derris in the South /by W.J. Reid, Jr. ... et al. .**  
Reid, W. J. 1902-. Washington, D.C. : U.S. Dept. of Agriculture, 1942. Caption title. ~ "Contribution from Bureau of Entomology and Plant Quarantine.". 27 p. : ill. ; 24 cm. Bibliography: p. 25-26. (NAL Call No.: DNAL 1 Ag84C no.615).

0084

**Table beet and Swiss chard: Seed production in the Pacific Northwest.**

Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (271). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0085

**Transplant quality and metal concentrations in vegetable transplants grown in media containing sewage sludge compost (Tomato, cabbage, phytotoxicity).**

Sterrett, S.B.HJHSA. Chaney, R.L.; Reynolds, C.W.; Schales, F.D.; Douglass, L.W. Alexandria : American Society for Horticultural Science. HortScience. Dec 1982. v. 17 (6). p. 920-922. 111. 16 ref. (NAL Call No.: SB1.H6).

0086

**Transplant quality, yield, and heavy-metal accumulation of tomato, muskmelon, and cabbage grown in media containing sewage sludge compost (Toxicity, vegetable, Brassica oleracea, Lycopersicon esculentum).**

Sterrett, S.B.JOSH. Reynolds, C.W.; Schales, F.D.; Chaney, R.L.; Douglass, L.W. Alexandria : The Society. Journal of the American Society for Horticultural Science. Jan 1983. v. 108 (1). p. 36-41. Includes references. (NAL Call No.: 81 S012).

0087

**Validation of a hypothesis for scouting and monitoring pests based on celery growth in an integrated crop management system (Florida).**

Guzman, V.L. Genung, W.G.; Pieczarka, D.J. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1980 (pub 1981). v. 93. p. 230-235. 111. 7 ref. (NAL Call No.: 81 F66).

0088

**'Vanguard 75' lettuce (Breeding, mosaic resistant cultivars).**

Ryder, E.U. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. June 1979. v. 14 (3,sect.1). p. 284-286. 111. 5 ref. (NAL Call No.: SB1.H6).

0089

**Weed control in seeded cabbage, mustard greens, spinach and in transplanted broccoli grown under conservation tillage practices.**

JRGVA. Menges, R.M. Heilman, M.D. Weslaco : The Society. Journal of the Rio Grande Valley Horticultural Society. 1986. v. 39. p. 83-89. Includes references. (NAL Call No.: DNAL 81 L95).

0090

**Yellows-resistant cabbage varieties in the Danish Ballhead-Hollander group /by J.C. Walker ... et al..**

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Caption title. 12 p. : 111. ; 23 cm. Bibliography: p. 12. (NAL Call No.: DNAL 1 Ag84C no.776).

0091

**Yellows-resistant varieties of cabbage in the early and midseason roundhead groups /by J.C. Walker and J.P. Jolivet.**

Walker, J. C. 1893-. Jolivet, James Peter, 1915-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Caption title. 20 p. : 111. ; 23 cm. Bibliography: p. 20. (NAL Call No.: DNAL 1 Ag84C no.775).

0092

**Yield and quality response of crisphead lettuce cultivars to seeding dates and farms in south Florida organic soils.**

Guzman, V.L. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 182-185. Includes 8 ref. (NAL Call No.: 81 F66).

0093

**1979 pesticide use on Florida vegetables, a preliminary report.**

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the 1979 Vegetable Pesticide Survey, nearly 4.6 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on six vegetable crops in Florida. The six vegetable crops included cabbage, celery, lettuce, sweet corn, tomatoes, and watermelon. About 4.6 million acre-treatments were made ranging from 2.2 million for tomatoes to 148,800 for cabbage. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. July 1981. Available from NTIS. July 1981. (AGESS810708). 23 p. 6 ref. (NAL Call No.: 916762(AGE)).

## **(PLANT PRODUCTION - HORTICULTURAL CROPS)**

0094

### **1979 pesticide use on vegetables in the Northeast, a preliminary report.**

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: According to the U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, approximately 1.3 million pounds of pesticides were used to control weeds, insects, diseases and nematodes on 10 vegetable crops in New York and New Jersey. The 10 vegetable crops include cabbage, carrots, celery, cucumbers, green peas, lettuce, onions, snap beans, sweet corn, and tomatoes. Approximately 825,000 acre-treatments were made ranging from 262,000 for sweet corn to 700 for carrots. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS. Dec 1981. (AGES811218). 37 ref. 7 ref. (NAL Call No.: 916762(AGE)).

0097

### **1979 pesticide use on vegetables in the Southwest, a preliminary report.**

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Abstract: According to U.S. Department of Agriculture's 1979 Vegetable Pesticide Survey, about 1.7 million pounds of pesticides were used to control weeds, insects, diseases, and nematodes on 10 vegetable crops in Arizona, Colorado, and Texas. The 10 vegetable crops included cabbage, cantaloups, carrots, cucumbers, lettuce, onions, snap beans, sweet corn, tomatoes, and watermelons. Nearly 1.1 million acre-treatments were made ranging from about 284,000 for onions to 4,000 for cucumbers and snap beans. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Dec 1981. Available from NTIS - order no. PB82-166-885. Dec 1981. (AGES811221). 45 p. 7 ref. (NAL Call No.: 916762(AGE)).

0095

### **1979 pesticide use on vegetables in the Northwest, a preliminary report.**

Kuntz, B.T. Ferguson, W.L. Washington, D.C., The Service. Extract: According to a 1979 Vegetable Pesticide Survey, nearly 1.3 million pounds of pesticides were used to control weeds, insects, fungi, and nematodes on seven vegetable crops in Idaho, Oregon, and Washington. The seven vegetable crops included cabbage, carrots, green peas, lettuce, onions, snap beans, and sweet corn. Approximately 671,000 acre-treatments were made ranging from 255,000 for sweet corn to 1,800 for cabbage. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Mar 1982. Available from NTIS. Mar 1982. (AGES820305). 32 p. 4 ref. (NAL Call No.: 916762(AGE)).

0096

### **1979 pesticide use on vegetables in the Southeast, a preliminary report.**

Ferguson, W.L. McCalla, I.E. Washington, D.C., The Service. Extract: In this report, patterns of pesticide use in the Southeast (North Carolina, South Carolina, and Georgia) in 1979 are discussed for cabbage, cantaloups, cucumbers, snap beans, sweet corn, tomatoes, and watermelons. Survey data were collected on quantities of pesticides used, acres treated, acre-treatments, number of applications, annual rates, and rate per acre-treatment. This report provides information useful to policymakers, researchers, extension specialists, and industry personnel. ERS staff report - U.S. Dept. of Agriculture, Economic Research Service. Oct 1981. Available from NTIS. Oct 1981. (AGES811029). 32 p. 11 ref. (NAL Call No.: 916762(AGE)).

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0098

**Cultivar and growing season effects on cabbage head development and weight loss during storage (Head shape, core length, water loss, Louisiana).**

Sundstrom, F.J. Story, R.N. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 589-590. Includes 9 references. (NAL Call No.: SB1.H6).

0099

**Influence of weed control programs in intensive cropping systems.**

WEESA6. Glaze, N.C. Dowler, C.C.; Johnson, A.W.; Sumner, D.R. Champaign, Ill. : Weed Science Society of America. Weed science. Nov 1984. v. 32 (6). p. 762-767. Includes 10 references. (NAL Call No.: DNAL 79.8 W41).

0100

**Light energy requirement for controlled environment growth of lettuce and radish.**

Craker, L.E. Seibert, M. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1982. v. 25 (1). p. 214-216. Includes 11 ref. (NAL Call No.: 290.9 AM32T).

0101

**Some plant responses and the mechanism of selectivity of cabbage plants to nitrofen / by Jose Francisco Pereira. -.**

Pereira, Jose Francisco, 1935-. 1971. Thesis (Ph.D.)--University of Illinois, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. 1x, 94 leaves ; 21 cm. Bibliography: leaves 85-93. (NAL Call No.: DISS 71-21,206).

# PLANT BREEDING

0102

'Alamo', 'Anza', 'Calrey', 'Calrico', 'Languna', 'Ramona', 'Rita', 'Vega', and 'Vista' crisphead lettuce (Cultivars, *Lactuca sativa*, *Lactuca serriola*, downy mildew resistance, russet spotting, tipburn).  
Welch, J.E.HJHSA. Kihra, G.M.; Kimble, K.A.  
Alexandria : American Society for Horticultural Science. HortScience. Aug 1983. v. 18 (4,sect.1). p. 489-492. Includes references. (NAL Call No.: SB1.H6).

0103

**Altered gene expression during cold acclimation of spinach.**

PNASA. Guy, C.L. Niemi, K.J.; Brambl, R.  
Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. June 1985. v. 82 (11). p. 3673-3677. ill. Includes 24 references. (NAL Call No.: DNAL 500 N21P).

0104

**The biology of cauliflower mosaic virus and its possible use as a recombinant DNA vector (Infection, genetic material).**

Daubert, S.D. Shephard, R.J. Columbia, Mo. : The University, 1983. Current topics in plant biochemistry and physiology, 1983 : proceedings, inaugural Plant Biochemistry and Physiology Symposium held, Univ. Missouri-Columbia, 7-9 April 1982 / editorial committee: D.D. Randall ... (et al.). v. 1 p. 156-162. ill. Includes 12 references. (NAL Call No.: QK861.P55 1982).

0105

**Breeding for resistance in cabbage and cauliflower to cabbage looper, imported cabbageworm, and diamond back moth (*Pieris rapae*, *Plutella xylostella*).**

Dickson, M.H. Eckenrode, C.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1980. v. 105 (6). p. 762-785. ill. 17 ref. (NAL Call No.: 81 S012).

0106

**Breeding spinach and southernpea in Arkansas.**

Morelock, T.E. Fayetteville, Ark. : Arkansas State Horticultural Society. Proceedings of the ... annual meeting - Arkansas State Horticultural Society. 1986. (107th). p. 18-19. (NAL Call No.: DNAL SB21.A7A7).

0107

**Broccoli and cauliflower production in Florida.**  
Olson, S.M. Sherman, M. Gainesville, Fla. : The Service. Circular - Florida Cooperative Extension Service. 1985. (555). 6 p. ill. (NAL Call No.: DNAL 275.29 F66C).

0108

**Broccoli resistance to downy mildew.**

CAGRA. Laemmien, F.F. Mayberry, K.S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1984. v. 38 (11/12). p. 17. ill. (NAL Call No.: DNAL 100 C12CAG).

0109

**Cabbage variety situation for 1984.**

NYAEA. Becker, R.F. Geneva, N.Y. : The Station. Special report - New York State Agricultural Experiment Station, Geneva. Apr 1985. (56). p. 9-10. (NAL Call No.: DNAL S95.E24).

0110

**Cauliflower mosaic virus: a potential vector for plant genetic engineering.**

Hohn, B. Hohn, T. New York : Academic Press. c1982. Molecular biology of plant tumors / edited by Gunter Kahl and Josef S. Schell. p. 549-560. ill. 2 p. ref. (NAL Call No.: SB741.5.M64).

0111

**Cauliflower mosaic virus DNA as a possible gene vector for higher plants.**

Hull, R. New York : Praeger, 1981. Genetic engineering in the plant sciences / edited by Nicholas J. Panopoulos. p. 99-109. ill. 34 ref. (NAL Call No.: QK981.5.G46).

0112

**Celery variety development (Resistant to early blight, late blight, bolting).**

Honma, S. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Sept 1982. v. 30 (9). p. 43. (NAL Call No.: 80 C733).

0113

**Chicory: A valuable source of resistance to turnip mosaic for endive and escarole (cultivars).**

Provvidenti, R. Robinson, R.W. Mount Vernon, Va., The Society. Journal. American Society for Horticultural Science. Nov 1979. v. 104 (6). p. 726-728. ill. 7 ref. (NAL Call No.: 81 S012).

0114

**Clubroot-resistant broccoli breeding lines OSU CR-2 to OSU CR-8.**  
HJHSA. Baggett, J.R. Kean, D. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 784-785. ill. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0115

**Clubroot-resistant cabbage breeding lines Oregon 100, 123, 140, and 142 (Brassica oleracea, Plasmodiophora brassicae).**  
Baggett, J.R.HJHSA. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 112-114. ill. Includes references. (NAL Call No.: SB1.H6).

0116

**Detection of the agent which causes the lettuce big vein disease.**

Dodds, J.A. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 31-35. ill. Includes references. (NAL Call No.: DNAL SB351.L6I25).

0117

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.**

Grogan, R.G. Patterson, C.L. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 17-26. ill. (NAL Call No.: DNAL SB351.L6I25).

0118

**Differential detection of seedborne lettuce mosaic virus (LMV) in LMV-susceptible and resistant lettuce breeding lines.**

Falk, B.W. Guzman, V.L. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. June 1985. v. 97. p. 179-181. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0119

**DNA plant viruses (Cauliflower mosaic virus, use as gene vector in plant cells).**  
Shepherd, R.J. Daubert, S.D.; Gardner, R.C. Berkeley, Calif., The Station. California agriculture - California Agricultural Experiment Station. Aug 1982. v. 36 (8). p. 16. (NAL Call No.: 100 C12CAG).

0120

**Evaluation of bacterial soft rot-tolerant crisphead lettuce cultivars in Hawaii (Erwinia carotovora, Lactuca sativa, Sclerotinia sclerotiorum, Rhizoctonia solani).**  
Cho, J.J. HI. Honolulu, The Station. Technical bulletin - Hawaii Agricultural Experiment Station. July 1979. (102). 9 p. 8 ref. (NAL Call No.: 100 H313T).

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**Orthophosphate control of glucose-6-phosphate dehydrogenase light modulation in relation to the induction phase of chloroplast photosynthesis (Spinach, barley).**

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0211

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0212

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0213

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0215

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0221

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**Isolation of a plant glycoprotein involved with control of intercellular recognition (Cabbage).** Ferrari, T.E. Bruns, D.; Wallace, D.H. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Feb 1981. v. 67 (2). p. 270-277. ill. 25 ref. (NAL Call No.: 450 P692).

0224

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0225

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0226

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0228

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0232

**Requirement for ethylene synthesis and action during relief of thermoinhibition of lettuce seed germination by combinations of gibberellic acid, kinetin, and carbon dioxide.** PLPHA. Saini, H.S. Consolacion, E.D.; Bassi, P.K.; Spencer, M.S. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Aug 1986. v. 81 (4). p. 950-953. Includes 24 references. (NAL Call No.: DNAL 450 P692).

0233

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## **(PLANT PHYSIOLOGY AND BIOCHEMISTRY)**

**0234**

**Stromal acidification mediates in vivo water stress inhibition of nonstomatal-controlled photosynthesis (Spinacia oleracea, spinach, Chlamydomonas reinhardtii, Aphanocapsa 6308, Algae, osmotic potential).**

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**0235**

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Krizek, D.T. Berry, W.L. New York, Marcel Dekker. Journal of plant nutrition. 1981. v. 3 (5). p. 827-841. 26 ref. (NAL Call No.: QK867.J67).

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0236

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# PROTECTION OF PLANTS

0237

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0241

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0242

**Cabbage, brussels sprouts, cauliflower and Kohlrabi: Seed production in the Pacific Northwest.** Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (268). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

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0245

**Cole crops--pest control.** Binning, L.K. Libby, J.L. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2357). 3 p. (NAL Call No.: S544.3.W6W53).

0246

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0248

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0249

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Ryder, E.J. Mount Vernon, Va., The Society. Journal. American Society for Horticultural Science. Sept 1979. v. 104 (5). p. 665-668. 111. 6 ref. (NAL Call No.: 81 S012).

0250

**Effects of fumigating crops with hydrogen sulfide or sulfur dioxide (Injuries, lettuce, sugarbeets, cotton, alfalfa).**

Thompson, C.R. Kats, G. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Mar 1979. v. 33 (3). p. 9-10. 111. (NAL Call No.: 100 C12CAG).

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Genung, W.G. Guzman, V.L. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 275-284. 111. 24 ref. (NAL Call No.: 81 F66).

0253

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0254

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0255

**Inhibition of photosystem II and Chlorella (sorokiniana, Algae and spinach) growth by 1-(m-t-butylacetamidophenyl)-3-methyl-3-methoxy urea (Phenylurea herbicides, toxicity tests).**

Swader, J.A. Howe, C.M. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1979. v. 27 (2). p. 232-234. 111. 16 ref. (NAL Call No.: 79.8 W41).

0256

**Injury and yield responses of spinach cultivars to chronic doses of ozone in open-top field chambers.**

Heagle, A.S. Philbeck, R.B. Madison, American Society of Agronomy. Journal of environmental quality. July/Sept 1979. v. 8 (3). p. 368-373. 111. 21 ref. (NAL Call No.: QH540.U6).

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**Lettuce (Commercial vegetable production).**

Schoenemann, J.A. Binning, L.K. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2340). 4 p. 111. (NAL Call No.: S544.3.W6W53).

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**Lettuce (Cultivation, diseases, insect pests and weeds).**

Zandstra, B.H. Warncke, D.D.; Lacy, M.L. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Oct 1983. Oct 1983. (1746). 4 p. (NAL Call No.: 275.29 M58B).

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**Limp lettuce (due to damaged cell membranes).**

Klein, R.M. Bronx, N.Y., The Garden Society, New York Botanical Garden. Garden (New York. 1977). Jan/Feb 1979. v. 3 (1). p. 9. 111. (NAL Call No.: SB403.G3).

0260

**A method of avoiding lettuce rot.**

KAEB. Garman, H. Lexington : The Station. Bulletin - Kentucky, Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky, Lexington, Ky. 40546-0091. Mar 1899. (81,pt.1). p. 1-4. plates. (NAL Call No.: DNAL 100 K41 (2)).

## (PROTECTION OF PLANTS)

0261

**Molybdenum availability as predicted from selected soil chemical properties (Deficiency symptoms, cauliflower).**

Karimian, N. Cox, F.R. Madison. Agronomy journal American Society of Agronomy. Jan/Feb 1979. v. 71 (1). p. 63-65. ill. 23 ref. (NAL Call No.: 4 AM34P).

0262

**Multielement analysis of municipal sewage sludge ashes. Absorption of elements by cabbage grown in sludge ash-soil mixture (Contamination).**

Furr, A.K. Parkinson, T.F. Washington, D.C., American Chemical Society. Environmental science & technology. Dec 1979. v. 13 (12). p. 1503-1506. ill. 19 ref. (NAL Call No.: TD420.A1E5).

0263

**The nature of big vein resistance in lettuce as expressed in greenhouse and field trials.**

Ryder, E.J. AR-W. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1980. v. 15 (3,sect.2). p. 418. (NAL Call No.: SB1.H6).

0264

**Pepper, tomato and cabbage transplant production and soil pest control in relation to fall broadspectrum soil fumigation and nematicide application.**

Jaworski, C.A. AR-SO. Phatak, S.C.; McCarter, S.M.; Johnson, A.W. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1980. v. 15 (3,sect.2). p. 383. (NAL Call No.: SB1.H6).

0265

**Persistence of (the herbicide) dichlobenil in a sandy soil and effects of residues on plant growth (Phytotoxic to carrots and to lettuce).**

Williams, J.H. Eagle, D.J. Oxford, Blackwell Scientific Publications. Weed research. Oct 1979. v. 19 (5). p. 315-319. ill. 4 ref. (NAL Call No.: 79.8 W412).

0266

**Pest control in commercial cole crop production.**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Feb 1982. Feb 1982. (A2356). 4 p. (NAL Call No.: S544.3.W6W53).

0267

**Pest control in commercial cole crop production (Cauliflower, broccoli, and brussels sprouts).**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Apr 1981. Apr 1981. (A2357). 4 p. (NAL Call No.: S544.3.W6W53).

0268

**A possible role for chlorogenic acid in calcium-related disorders of vegetable crops with particular reference to lettuce tipburn.**

Collier, G.F. Huntington, V.C. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 481-490. ill. 18 ref. (NAL Call No.: S590.C63).

0269

**Requirement for root-pressure flow to provide adequate calcium to low-transpiring tissue (Cabbage, carrots, deficiencies).**

Tibbitts, T.W. Palzkill, D.A. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 251-257. ill. 5 ref. (NAL Call No.: S590.C63).

0270

**Soil impedance as a factor reducing crop (carrot, onion and sugarbeet, broccoli) seedling emergence, and its relation to soil conditions at sowing, and to applied water.**

Hegarty, T.W. Royle, S.M. Oxford. Journal of applied ecology. Dec 1978. v. 15 (3). p. 897-904. ill. 9 ref. (NAL Call No.: 410 J828).

0271

**Spinach: Seed production in the Pacific Northwest.**

Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (267). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0272

**Table beet and Swiss chard: Seed production in the Pacific Northwest.**

Jarmin, M.L. Corvallis, Or. : The Service. PNW - Pacific Northwest Extension Publication, Washington, Oregon, and Idaho State Universities, Cooperative Extension Service. June 1985. (271). 4 p. (NAL Call No.: DNAL 275.29 W27PN).

0273

Tests prove what gardeners guessed: Nothing repels rabbits bent on cabbage (Fencing gardens as only protection from damages).

Rachesky, S. Kansas City, Mo., Mid-America Publishing. Flower and garden. Southern edition. Sept 1979. v. 23 (9). p. 47. ill. (NAL Call No.: SB403.F52).

# PESTS OF PLANTS - GENERAL AND MISC.

0274

## **Cole crops--pest control.**

Binning, L.K. WI. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A2357). 3 p. ill. (NAL Call No.: S544.3.W6W53).

0275

## **The investigation of cause and potential commercial control measures of lettuce drop / by Dale Harry Young. -.**

Young, Dale Harry, 1939-. 1977. Professional paper (M. P. S. (Agr.)--Cornell University, 1977. Extension Repository Collection ~Typescript (photocopy)~Includes biographical sketch. 31 leaves : col. ill. ; 28 cm. Bibliography: leaves 28-31. (NAL Call No.: SB351.L6Y6).

0276

## **The potential of compound U-12171 as an avian repellent (Broccoli plants).**

Schwab, R.G. Davis, Calif., University of California. Proceedings ... Vertebrate Pest Conference. Vertebrate Pest Conference. 1978. 1978. (8th). p. 255-259. ill. (NAL Call No.: SB950.A1V4).

0277

## **Protecting lettuce seedlings from birds.**

Howard, W.E. Marsh, R.E. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Literature review. Apr 1, 1981/Mar 31, 1982. p. 125-152. 4 p. ref. (NAL Call No.: SB351.L6I25).

# PESTS OF PLANTS - INSECTS

0278

**Acetaldehyde fumigation at reduced pressures to control the green peach aphid (*Myzus persicae*) on wrapped and packed head lettuce (Chemical, varieties).**

Stewart, J.K. AR-W. Aharoni, Y.; Hartsell, P.L.; Young, D.K. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 149-152. ill. 11 ref. (NAL Call No.: 421 J822).

0279

**Acetaldehyde toxicity to the green peach aphid (*Myzus persicae*) on harvested head lettuce in high carbon dioxide or low oxygen atmospheres.**

Hartsell, P.L. Aharoni, Y. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 904-905. ill. 11 ref. (NAL Call No.: 421 J822).

0280

**Action threshold for the cabbage caterpillar complex in Georgia (*Trichoplusia ni*, *Plutella xylostella*, *Pieris rapae*, insecticidal control).**

Chalfant, R.B. Athens, Ga., The Society. Journal. Georgia Entomological Society. Oct 1979. v. 14 (4). p. 359-363. ill. 6 ref. (NAL Call No.: QL461.G4).

0281

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**Comparative control of caterpillars (Trichoplusia ni, Pieris rapae, Plutella xylostella) on cabbage cultivars treated with Bacillus thuringiensis (Biological control).**

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0338

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**Control of imported cabbageworm and cabbage looper, 1980 (Pieris rapae, Trichoplusia ni).**  
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**Control of lepidopterous larvae on cabbage, Sandusky Co., Ohio, 1981 (Pieris rapae, Plutella xylostella, Trichoplusia ni).**  
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**Crop loss assessment methods for the cabbage maggot (Diptera: Anthomyiidae) in cabbage (Hylemya brassicae).**

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0365

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0367

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0373

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0377

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0380

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0382

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0383

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0385

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0388

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0389

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0390

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0391

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0392

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0393

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0394

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0395

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0397

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**Epidemiology of tomato spotted wilt virus disease on crisphead lettuce in Hawaii.**  
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0402

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0403

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0405

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0406

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0407

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0408

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0409

Feeding response of *Artogeia rapae* (Lepidoptera: Pieridae) and *Trichoplusia ni* (Lepidoptera: Noctuidae) to cabbage leaf age.  
EVETEX. Hoy, C.W. Shelton, A.M. College Park, Md. : Entomological Society of America. Environmental entomology. June 1987. v. 16 (3). p. 680-682. Includes references. (NAL Call No.: DNAL QL461.E532).

0410

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0411

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0412

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0414

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0415

**A five-year summary of looper control on cabbage and lettuce in the lower Rio Grande Valley, 1976-1980 (*Trichoplusia ni*, *Pseudoplusia includens*).**

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0416

**Flea beetles (*Phyllotreta cruciferae*, *Phyllotreta striolata*) attacking forage kale: effect of carbofuran and tillage methods.**

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0417

**Flight activity and oviposition of the cabbage maggot, *delia radicum* (Diptera: anthomyiidae), in relation to damage to rutabagas.**

JEENAI. Sears, M.K. Dufault, C.P. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1986. v. 79 (1). p. 54-58. Includes references. (NAL Call No.: DNAL 421 J822).

0418

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0419

**Flower visiting and pollen transport by the imported cabbage butterfly (*Lepidoptera: Pieridae*) in a highly disturbed urban habitat (*Pieris rapae*).**

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0420

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0421

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0422

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0423

**Gas chromatographic determination of cyromazine and its degradation product, melamine, in Chinese cabbage.**

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0424

**Growing cauliflower and broccoli.**

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0425

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0426

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0427

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0428

Helper component for aphid transmission encoded by region II of cauliflower mosaic virus DNA (*Brassica rapa*).  
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0429

Hemocyte counts in susceptible and resistant noctuid larvae injected with blastospores of *Nomuraea rileyi* (Cabbage looper, *Trichoplusia ni*, biological control).  
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0430

Host plant preferences of caged populations of the tobacco budworm, cabbage looper, and soybean looper : and effect of supplemental releases of *Trichogramma pretiosum* and *Chrysopa carnea* on these three pests / Southern Region, Agri. Res. Serv., USDA and Agricultural Research and Education Center, IFAS, University of Florida. -.  
(Quincy, Fla.) The Service (1973). Cover title ~"Special report"-leaf ii ~"For official use only. ~Cooperative agreement no. 12-14-100-10, 914 (33). viii, 78 leaves : ill. ; 28 cm. Bibliography: leaves 76-78. (NAL Call No.: aSB933.3.H6).

0431

Host plants (Beets, spinach, and *Atriplex* species) of the sugarbeet root maggot, *Tetanops myopaeformis*.  
Mahrt, G.G. Blickenstaff, C.C. College Park, Md., The Society. Annals. Entomological Society of America. Sept 15, 1979. v. 72 (5). p. 627-631. ill. 13 ref. (NAL Call No.: 420 EN82).

0432

Host selection of *Liriomyza* species (Diptera: Agromyzidae) and associated parasites in adjacent plantings of tomato and celery (*Liriomyza sativae*, *Liriomyza trifolii*).  
Zehnder, G.W. Trumble, J.T. College Park, Md. : Entomological Society of America. Environmental entomology. Apr 1984. v. 13 (2). p. 492-496. Includes references. (NAL Call No.: QL461.E532).

0433

How to control cabbage maggots in your vegetable garden / (prepared by R.S. Bekey and Ben Simko). -.  
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0434

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Baker, P.B. JEENA. Shelton, A.M.; Andaloro, J.T. College Park : Entomological Society of America. Journal of economic entomology. Dec

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Trumble, J.T. EVETB. Nakakihara, H. College Park : Entomological Society of America. Environmental entomology. June 1983. v. 12 (3). p. 810-814. Includes references. (NAL Call No.: QL461.E532).

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0492

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Renwick, J.A.A. Radke, C.D. College Park, Md., Entomological Society of America. Environmental entomology. June 15, 1980. v. 9 (3). p. 318-320. 18 ref. (NAL Call No.: QL461.E532).

0493

**Parasitism and utilization of imported cabbageworm pupae by *Pteromalus puparum* (Hymenoptera: Pteromalidae).**

EVETEX. Lasota, J.A. Kok, L.T. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1986. v. 15 (4). p. 994-998. Includes references. (NAL Call No.: DNAL QL461.E532).

0494

**Pest control in commercial cole crop production.**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis. : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1985. (A2357). 4 p. (NAL Call No.: DNAL S544.3.W6W53).

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### **Pest control in commercial cole crop production.**

Binning, L. K. Wyman, J. A.; Stevenson, W. R. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1983. Discusses how to protect cabbage, cauliflower, broccoli, and brussels sprouts produced by market gardeners. Includes insect, disease and weed control. 4 p. (NAL Call No.: Document available from source.). (NAL Call No.: A2357).

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Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2357). 4 p. (NAL Call No.: S544.3.W6W53).

0497

### **Pesticidal effects on leafminers and parasites in celery, 1981.**

Trumble, J.T. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 81. (NAL Call No.: SB950.A1I49).

0498

### **Plant secondary compounds as oviposition deterrents for cabbage butterfly, *Pieris rapae* (Lepidoptera: Pieridae).**

JCED. Tabashnik, B.E. New York, N.Y. : Plenum Press. Journal of chemical ecology. Feb 1987. v. 13 (2). p. 309-316. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0499

### ***Polistes* wasps (Hymenoptera: Vespidae) as control agents for lepidopterous cabbage pests (*Polistes fuscatus*, *Pieris rapae*, *Trichoplusia ni*, *Plutella xylostella*).**

Gould, W.P. Jeanne, R.L. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1984. v. 13 (1). p. 150-156. 111. Includes references. (NAL Call No.: QL461.E532).

0500

Predation of cabbage looper, *Trichoplusia ni*, pupae by the striped earwig, *Labidura riparia*, and two bird species (*Dendroica palmarum palmarum*, *Passerculus sandwichensis savanna*, natural control, Florida, USA).

Strandberg, J.D. College Park, Md.,

Entomological Society of America. Environmental entomology. Oct 15, 1981. v. 10 (5). p. 712-715. 111. 13 ref. (NAL Call No.: QL461.E532).

0501

### **Predicting cabbage maggot (*Hylemya brassicae*) flights in New York using common wild plants.**

Pedersen, L.H. Eckenrode, C.J. Geneva, N.Y., The Station. New York's food and life sciences bulletin - New York (State), Agricultural Experiment Station, Geneva. 1981. 1981. (87). 6 p. 111. 10 ref. (NAL Call No.: S95.E22).

0502

### **Properties of the delta 11-desaturase enzyme used in cabbage looper moth sex pheromone biosynthesis.**

Wolf, W.A. Roelofs, W.L. New York, N.Y. : Alan R. Liss, Inc. Archives of insect biochemistry and physiology. 1986. v. 3 (1). p. 45-52. Includes references. (NAL Call No.: DNAL QL495.A7).

0503

### **Protection of celery from leafminers (*Liomyza sativae*) with permethrin.**

Poe, S.L. Gouger, R.J. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 267-271. 111. 3 ref. (NAL Call No.: 81 F66).

0504

### **Reducing celery leafminer damage with plant growth regulators (*Liriomyza trifolii*, Florida).**

White, J.M. Musgrave Sutherland, C.A. S.I., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 144-146. Includes 15 ref. (NAL Call No.: 81 F66).

0505

### **Reducing pesticide treatments in celery may be justified. Lower insecticide usage in the first half of the season did not reduce marketable fall-crop celery in this test (California).**

Van Steenwyk, R.A. CAGRA. Toscano, N.C. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Sept/Oct 1982. v. 36 (9/10). p. 14-15. 111. (NAL Call No.: 100 C12CAG).

0506

**Relationship between lepidopterous larval density and damage in celery and celery plant growth analysis (*Trichoplusia ni*, *Spodoptera exigua*).**

Van Steenwyk, R.A. Toscano, N.C. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 287-290. 4 ref. (NAL Call No.: 421 J822).

0507

**Relationships among ants, aphids, and coccinellids on wild lettuce.**

McLain, D.K. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1980. v. 15 (4). p. 417-418. (NAL Call No.: QL461.G4).

0508

**Relationships between laboratory bioassay-derived potencies and field efficacies of *Bacillus thuringiensis* isolates with different spectral activities (Biological control of cabbage looper, *Trichoplusia ni*).**

Beegle, C.C. Dulmage, H.T.; Wolfenbarger, D.A. New York, Academic Press. Journal of invertebrate pathology. Mar 1982. v. 39 (2). p. 138-148. 7 ref. (NAL Call No.: 421 J826).

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**Relative effectiveness of soil-applied granular insecticides on spinach carrion beetle (*Silpha bituberosa*).**

Yun, Y.M. Spaur, M.B. Fort Collins, Colo., The Society. Journal of the American Society of Sugar Beet Technologists. Apr 1981. v. 21 (1). p. 23-26. 3 ref. (NAL Call No.: 66.9 AM35J).

0510

**Reproductive biology of *Microplitis brassicae* (Hymenoptera: Braconidae), parasite of the cabbage looper, *Trichoplusia ni* (Lepidoptera: Noctuidae).**

AESAAI. Browning, H.W. Datman, E.R. College Park, Md.: The Society. Annals of the Entomological Society of America. May 1985. v. 78 (3). p. 369-372. ill. Includes references. (NAL Call No.: DNAL 420 EN82).

0511

**Resistance of cabbage looper *Trichoplusia ni* (Hubner) (Lepidoptera: Noctuidae) to methomyl in Missouri.**

Wilkinson, J.D. JKESA. Biever, K.D.; Hostetter, D.L. Lawrence: The Society. Journal of the Kansas Entomological Society. Jan 1983. v. 56 (1). p. 59-61. Includes references. (NAL Call No.: 420 K13).

0512

**Resistance of lettuce varieties to attacks by the root Apteræ of *Pemphigus bursarius* (L.).**

Alleyne, E.H. Morrison, F.O. L'Assomption, Canada (etc.), The Society. Annales - Societe entomologique du Quebec. Entomological Society of Quebec. Sept 1978. v. 23 (3). p. 158-167. ill. 7 ref. (NAL Call No.: 420 EN822).

0513

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Falk, B.W. Duffus, J.E. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 612-617. ill. 24 ref. (NAL Call No.: 464.8 P56).

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Utilization of action thresholds for microbial and chemical control of lepidopterous pests (Lepidoptera: Noctuidae, Pieridae) on cabbage (*Pieris rapae*, *Trichoplusia ni*, *Plutella xylostella*).

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Hoy, C.W. Jennison, C.; Shelton, A.M.; Andaloro, J.T. College Park, Md. : Entomological Society of America. Journal of economic entomology. Feb 1983. v. 76 (1). p. 139-143. Includes references. (NAL Call No.: 421 J822).

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**Varietal resistance to onion thrips (*Thysanoptera*: *Thripidae*) in processing cabbage (*Thrips tabaci*).**

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**Varying susceptibility to methomyl and permethrin in widely separated cabbage looper (*Lepidoptera*: *Noctuidae*) populations within eastern North America (*Trichoplusia ni*).**

Shelton, A.M. JEENA, Soderlund, D.M. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 987-989. Includes references. (NAL Call No.: 421 J822).

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**Vertical distribution of overwintering soil Apterae of the lettuce root aphid, *Pemphigus bursarius* (L.) in Quebec.**

Alleyne, E.H. Morrison, F.O. L'Assomption, Canada (etc.), The Society. Annales - Societe entomologique du Quebec. Entomological Society of Quebec. Sept 1978. v. 23 (3). p. 155-157. 111. 1 ref. (NAL Call No.: 420 EN822).

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**Virulence of *Autographa californica* (alfalfa looper) baculovirus preparations fed with different food sources to cabbage loopers (*Trichoplusia ni*, biological control).**

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**Weed, insect, and disease control guide: Asparagus; cucumbers, melons, pumpkins, squash; rhubarb. Commercial vegetable.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Outlines herbicide, insecticide and fungicide suggestions for asparagus, cucumbers, melons, pumpkins, squash and rhubarb. 4 p. : 111. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 599).

0566

**Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : 111. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 600).

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**Weed, insect, and disease control guide: cabbage, broccoli, cauliflower, brussels sprouts.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for cabbage, broccoli, cauliflower and brussels sprouts. 4 p. : 111. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 598).

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**The western cabbage flea-beetle /by F.H. Chittenden and H.O. Marsh.**

Chittenden, F. H. Marsh, H. O. 1885-1918. Washington, D.C. : U.S. Dept. of Agriculture, 1920. Caption title.~ "October 22, 1920."~ "Professional paper." 21 p., 1 leaf of plates : 111., 1 map ; 23 cm. Bibliography: p. 21. (NAL Call No.: DNAL 1 Ag84B no.902).

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**Whiteflies damaged lettuce crop.**

Kingdon, L.B. Tempe, Ariz. : Arizona Farmer-Stockman. Arizona farmer-stockman. Jan 1988. v. 67 (1). p. 10-11. (NAL Call No.: DNAL 6 AR44).

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**Whitefly-borne viruses of melons and lettuce in Arizona.**

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0571

**Within-plant distribution and sampling of aphids (Homoptera: Aphididae) on broccoli in southern California (*Brevicoryne brassicae*, *Myzus persicae*).**

Trumble, J.T. College Park, Entomological Society of America. Journal of economic entomology. Aug 1982. v. 75 (4). p. 587-592. ill. 1 p. ref. (NAL Call No.: 421 J822).

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**Yield responses in lettuce plants of various density treatment levels of lepidopterous larvae.**

Toscano, N.C. JEENA. Van Steenwyk, R.A.; Kido, K.; McCalley, N.F.; Barnett, W.W. College Park : Entomological Society of America. Journal of economic entomology. Oct 1982. v. 75 (5). p. 916-920. Includes references. (NAL Call No.: 421 J822).

0573

**Action of some insecticides on the common Trichogramma (*Trichogramma evanescens* Westw.) (used for biological control of *Mamestra brassicae*, pest of cabbage). BULGARIAN.**

Kim-Chi, C. Sofia, Ministerstvo na zemedeliето i khranitel'nata promishlenost. Gradinarska i lozarska nauka. Horticultural and viticultural science. 1979. v. 15 (2). p. 73-79. ill. 9 ref. (NAL Call No.: 87 G75).

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**Metabolism of precocene II in the cabbage looper (*Trichoplusia ni*) and European corn borer (*Ostrinia nubilalis*). Metabolism of precocene II in the cabbage looper (*Trichoplusia ni*) and European corn borer (*Ostrinia nubilalis*).**

Burt, M.E. Burt, M.E. Kuhr, R.J. Kuhr, R.J. New York. New York. Pesticide biochemistry and physiology. Pesticide biochemistry and

physiology. Dec 1978. Dec 1978. v. 9 (3). v. 9 (3). p. 300-303. ill. p. 300-303. ill. 14 ref. 14 ref. (NAL Call No.: SB951.P49). (NAL Call No.: SB951.P49).

0574

**Intrapopulation factors of survival rate and harmfulness of *Mamestra brassicae* (Pest of cabbage). RUSSIAN.**

Lobachenko, N.I. Moskva, "Kolos". Zashchita rastenii. Jan 1979. Jan 1979. (1). p. 24-25. ill. (NAL Call No.: 421 Z1).

0575

**Pheromone traps for the cabbage moth (*Mamestra brassicae*, Bulgaria). BULGARIAN.**

Subchev, M. Sofia, Natsionalen agrarno-promishlen suiuz. Rastitelna zashtita. Plant protection. 1978. v. 26 (7). p. 33-34. ill. (NAL Call No.: 423.92 S02).

0576

**Test to control adults of the cabbage stem flea-beetle (*Psylliodes chrysocephala* L.) on rape at the time of planting. FRENCH.**

Houpert, G. Caland, C. Nancy, L'Ecole. Bulletin.Ecole nationale superieure d'agronomie et des industries alimentaires, Nancy. 1978. v. 20 (1/2). p. 75-79. ill. 4 ref. (NAL Call No.: 64.9 N15).

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0577

**Ecology and control of the cabbage maggot in Wisconsin / by Charles Joseph Eckenrode. -**  
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Photocopy of typescript. Ann Arbor: University Microfilms, 1971. v. 123 leaves ; 21 cm.  
Bibliography: leaves 116-123. (NAL Call No.: DISS 70-19,140).

0578

**Effect of fenamiphos on populations of *Heterodera schachtii* and subsequent plant injury in a cabbage-cucumber rotation (Florida).**  
Rhoades, H.L.NMTPA. Auburn : Organization of Tropical American Nematologists. Nematropica. Dec 1982. v. 12 (2). p. 289-293. Includes references. (NAL Call No.: SB998.N4N4).

0579

**Effects of fumigant and nonfumigant nematicides on *Belonolaimus longicaudatus* and *Hoplolaimus galeatus* populations and subsequent yield of cabbage.**  
PLDRA. Rhoades, H.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 581-582. Includes 6 references. (NAL Call No.: DNAL 1.9 P69P).

0580

**Effects of initial population densities of *Heterodera schachtii* on yield of cabbage and table beets in New York State.**  
Abawi, G.S. Mai, W.F. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1980. v. 70 (6). p. 481-485. ill. 21 ref. (NAL Call No.: 464.8 P56).

0581

**Evaluation of fall treatment with broadspectrum chemicals and nematicides for production of pepper, tomato, and cabbage transplants in southern Georgia (Phytotoxicity).**  
Jaworski, C.A. AR-SO. Phatak, S.C.; McCarter, S.M.; Johnson, A.W.; Glaze, N.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Sept 1980. v. 105 (5). p. 756-759. 17 ref. (NAL Call No.: 81 S012).

0582

**Influence of nematicides and methods of their application on growth and yield of cabbage in sting nematode infested soil (*Belonolaimus longicaudatus*).**  
Rhoades, H.L. s.l., The Society. Proceedings of the ... annual meeting of the Florida State

Horticultural Society. 1980 (pub 1981). v. 93. p. 246-247. ill. 7 ref. (NAL Call No.: 81 F66).

0583

**Insect and nematode control recommendations for celery, cole crops, head lettuce, and spinach.**  
Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Radewald, J.; Thomason, I.; Toscano, N.; Van Steenwyk, R.; Wyman, J.; McCalley, N.; Dibble, J.; Johnson, D.; Lange, H.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (21141). 13 p. ill. (NAL Call No.: S544.3.C2C3).

0584

**Role of fenamiphos as a nemastat for control of *Heterodera schachtii* in cabbage production.**  
PLDRA. Muchena, P.K. Bird, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1987. v. 71 (6). p. 552-554. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0585

**The taxonomy and biology of a new species of *Nacobbus* (hoplolaimidae) nematoda found parasitizing spinach (*Spinacia oleracea* L.) in Texas / by Jerral D. Johnson. -**  
Johnson, Jerral D., 1938-. 1971. Thesis (Ph.D.)--Texas A&M University, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. x, 142 leaves ; 21 cm. Bibliography: leaves 94-96. (NAL Call No.: DISS 71-24,682).

0586

**Two new nematode genera, *Safianema* (Anguinidae) and *Discotylenchus* (Tylenchidae), with descriptions of three new species (from peaty soil underneath oak tree, apple and cabbage).**  
Siddiqi, M.R. Lawrence, Kans., The Society. Proceedings - Helminthological Society of Washington. Helminthological Society of Washington. Jan 1980. v. 47 (1). p. 85-94. ill. 7 ref. (NAL Call No.: 436.9 H36).

# PLANT DISEASES - GENERAL

0587

**Cabbage diseases /by L.L. Harter and L.R. Jones ; rev. by J.C. Walker.**

Harter, L. L. 1875-. Jones, L. R. 1864-1945.; Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1923. "This bulletin is a revision of and supersedes Farmers' bulletin 925.". 29 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.1351).

0588

**Celery variety development (Resistant to early blight, late blight, bolting).**

Honma, S. Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Sept 1982. v. 30 (9). p. 43. (NAL Call No.: 80 C733).

0589

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.**

Grogan, R.G. Patterson, C.L. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 17-26. ill. (NAL Call No.: DNAL SB351.L6I25).

0590

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.**

Grogan, R.G. Patterson, C.L.; Waters, C.M.; Dillard, H.; Delp, B. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 15-30. (NAL Call No.: DNAL SB351.L6I25).

0591

**Diseases of cabbage and related crops and their control by L.L. Harter. --.**

Harter, L. L. Washington, D.C. : U.S. Dept. of Agriculture, 1912. 32 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.488).

0592

**Diseases of cabbage and related plants.**

Latin, Richard X. 1981. This publication gives general control suggestions for cabbage and other crucifer diseases. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 4 p. (NAL Call No.: Not available at NAL.). (NAL Call No.: BP-8-11).

0593

**Diseases of cabbage and related plants.**

Stevenson, Walter R. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1976. Explores general control suggestions and non-parasitic diseases of crucifers for cabbage diseases. 4 p. (NAL Call No.: Document available from source.). (NAL Call No.: BP-8-11).

0594

**Diseases of cabbage and related plants /by J.C. Walker.**

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1927. Cover title. 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1439).

0595

**Diseases of cabbage and related plants /by J.C. Walker.**

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. Originally issued Feb. 1927. 38 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1439 1948).

0596

**Diseases of cabbage and related plants /by J.C. Walker.**

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1938. Originally issued Feb. 1927. This bulletin is a revision of and supersedes Farmers' bulletins 925 and 1351, Cabbage diseases, by L.L. Harter and L.R. Jones. 36 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.1439 1938).

0597

**Diseases of cabbage and related plants / by J.C. Walker, R.H. Larson, and A.L. Taylor .**

Walker, J. C. 1893-. Taylor, A. L. 1901-; Larson, R. H. 1904-. Washington, D.C. : U.S. Dept. of Agriculture, 1958 . Cover title. Contains information formerly presented in Farmer's bulletin 1439 with the same title. 41 p. : ill. ; 24 cm. (NAL Call No.: DNAL 1 Ag84A no.144).

0598

**Diseases of cabbage and related plants by J.C. Walker . --.**

Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1948. 38 p. : ill. --. (NAL Call No.: DNAL Fiche S-70 no.1439 1948).

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0599

**Diseases of cabbage and related plants by J.C. Walker, R.H. Larson, and A.L. Taylor . --.**  
Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1958. 41 p. : ill. --.  
(NAL Call No.: DNAL Fiche S-85 no.144).

0600

**Disorders in cabbage, bunched broccoli, and cauliflower shipments to the New York market, 1972-1985.**

PLDIDE. Ceponis, M.J. Cappellini, R.A.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1987. v. 71 (12). p. 1151-1154. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0601

**Fall Green, a disease resistant spinach cultivar.**

AKFRAC. Goode, M.J. Morelock, T.E.; Bowers, J.L. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Sept/Oct 1987. v. 36 (5). p. 3. (NAL Call No.: DNAL 100 AR42F).

0602

**Floribibb, a gourmet lettuce resistant to two viruses, for Florida organic soils.**

Guzman, V.L. Zitter, T.A. Gainesville : The Station. Circular S - Florida, Agricultural Experiment Station. Oct 1984. (313). 8 p. ill. Includes 3 references. (NAL Call No.: DNAL 100 F66CI).

0603

**Growing cauliflower and broccoli.**

XDAFA. Washington, D.C. : The Department. Farmers' bulletin - United States Department of Agriculture. 1984. (2239,rev.). 14 p. ill. (NAL Call No.: DNAL 1 AG84F).

0604

**Internal tipburn of cabbage its control through breeding / J.C. Walker, P.H. Williams, and G.S. Pound .**

Walker, J. C. 1893-. Williams, P. H.; Pound, G. S. Madison : Agricultural Experiment Station, University of Wisconsin, 1965. Cover title. 11 p. : ill. ; 23 cm. Bibliography: p. 11. (NAL Call No.: DNAL 100 W75 (2) no.258).

0605

**Lettuce breeding.**

Micheltmore, R. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1985/Mar 31, 1986. p. 1-9. ill. (NAL Call No.: DNAL SB351.L6I25).

0606

**Lettuce breeding--USDA-ARS.**

Ryder, E.J. McCreight, J.D. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 9-13. ill. (NAL Call No.: DNAL SB351.L6I25).

0607

**Lettuce improvement.**

Micheltmore, R. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 1-8. ill. (NAL Call No.: DNAL SB351.L6I25).

0608

**Market diseases of asparagus, onions, beans, peas, carrots, celery, and related vegetables / by Marion A. Smith, Lacy P. McColloch, and Bernard A. Friedman .**

Smith, M. A. 1897-. McColloch, Lacy Porter, \_1907-; Friedman, B. A. \_1909-; Ramsey, Glen B. \_1889-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Research Service, Market Quality Research Division, 1966. Revision of and supersedes Market diseases of fruits and vegetables: asparagus, onions, beans, peas, carrots, celery, and related vegetables, by G.B. Ramsey and J.S. Wiant, issued as U.S. Dept. of Agriculture. Miscellaneous publication no. 440. iv, 65 p. : 17 plates (part col.) ; 24 cm. Bibliography: p. 56-65. (NAL Call No.: DNAL 1 Ag84Ah no.303).

0609

**Market diseases of beets, chicory, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, and sweetpotatoes /by Glen B. Ramsey, B.A. Friedman and M.A. Smith.**

Ramsey, Glen B. 1889-. Friedman, B. A. \_1909-; Smith, M. A. \_1897-. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Marketing Research Division, 1959. "Supersedes Miscellaneous publication no. 541, Market diseases of fruits and vegetables: beets, endive, escarole, globe artichokes, lettuce, rhubarb, spinach, Swiss chard, and sweetpotatoes.". ii, 42 p. : 19 plates (some col.) ; 23 cm. Bibliography: p. 35-42. (NAL Call No.: DNAL 1 Ag84Ah no.155).

0610

**Market diseases of cabbage, cauliflower, turnips, cucumbers, melons, and related crops / Glen B. Ramsey and M.A. Smith .**

Ramsey, Glen B. 1889-. Smith, Marion Ashton. Washington, D.C. : U.S. Dept. of Agriculture, Agricultural Marketing Service, Market Quality Research Division, 1961. 49 p., 24 p. of plates : ill. (some col.) ; 23 cm. Bibliography: p. 45-49. (NAL Call No.: DNAL 1 Ag84Ah no.184).

0611

**Market diseases of fruits and vegetables asparagus, onions, beans, peas, carrots, celery, and related vegetables /by Glen B. Ramsey and James S. Wiant.**

Ramsey, Glen B. 1889-. Wiant, James S. 1900-. Washington, D.C. : U.S. Dept. of Agriculture, 1941. Cover title.~ "September 1941.". 70 p., 15 leaves of plates : ill. (some col.) ; 23 cm. Bibliography: p. 60-70. (NAL Call No.: DNAL 1 Ag84M no.440).

0612

**Mosaic and yellows resistant inbred cabbage varieties / G.S. Pound, P.H. Williams and J.C. Walker .**

Pound, G. S. Williams, P. H.; Walker, J. C. 1893-. Madison : Agricultural Experiment Station, University of Wisconsin, 1965. Cover title. 30 p. : ill. ; 23 cm. Bibliography: p. 30. (NAL Call No.: DNAL 100 W75 (2) no.259).

0613

**Pest control in commercial cole crop production.**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis. : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1985. (A2357). 4 p. (NAL Call No.: DNAL S544.3.W6W53).

0614

**South Bay and Raleigh: two crisphead lettuce cultivars resistant to corky root rot for organic soils.**

Guzman, V.L. Gainesville : The Institute. Circular S - Agricultural Experiment Stations, Institute of Food and Agricultural Sciences, University of Florida. Dec 1984. (310). p. 1-8. ill. (NAL Call No.: DNAL 100 F66CI).

0615

**Weed, insect, and disease control guide:Asparagus; cucumbers, melons, pampkins, squash; rhubarb. Commercial vegetable.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Outlines herbicide, insecticide and fungicide suggestions for asparagus, cucumbers, melons, pumpkins, squash and rhubarb. 4 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext. Folder 599).

0616

**Weed, insect, and disease control guide: beets, carrots, lettuce, onions parsnips, radishes, rutabagas, turnips, spinach.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A. ; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicides, insecticides and fungicide suggestions for beets, carrots, lettuce, onions, parsnips, radishes, rutabagas, turnips and spinach. 7 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext. Folder 600).

0617

**Weed, insect, and disease control guide: cabbage, broccoli, cauliflower, brussels sprouts.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for cabbage, broccoli, cauliflower and brussels sprouts. 4 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: Ext.Folder 598).

0618

**Yield and quality response of crisphead lettuce cultivars to seeding dates and farms in south Florida organic soils.**

Guzman, V.L. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 182-185. Includes 8 ref. (NAL Call No.: 81 F66).

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0619

**Abnormal conidium development in *Alternaria tenuissima* (Seedborne pathogen of cauliflower).**  
Mohan, M. Mukerji, K.G. New Delhi, Indian Phytopathological Society. Indian phytopathology. June 1978 (pub. Jan 1979). v. 31 (2). p. 247-248. ill. 5 ref. (NAL Call No.: 464.8 IN2).

0620

**Association of common ragweed with *Sclerotinia* rot of cabbage in New York State.**  
PLDRA. Dillard, H.R. Hunter, J.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1986. v. 70 (1). p. 26-28. ill. Includes 18 references. (NAL Call No.: DNAL 1.9 P69P).

0621

**Big vein of lettuce: infection and methods of control (*Olpidium brassicae*, parasitic soil fungi, vectors).**  
Campbell, R.N. Greathead, A.S.; Westerlund, F.V. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1980. v. 70 (8). p. 741-746. 24 ref. (NAL Call No.: 464.8 P56).

0622

**Biological control of *Sclerotinia* lettuce drop in the field by *Sporidesmium sclerotivorum* (Abstract only).**  
Adams, P.B. Ayers, W.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1981. v. 71 (7). p. 764. (NAL Call No.: 464.8 P56).

0623

**Biological control of *sclerotinia* lettuce drop in the field by *Sporidesmium sclerotivorum* (Mycoparasite of *Sclerotinia* minor attacking *Lactuca sativa*, biological control agent).**  
Adams, P.B. Ayers, W.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1982. v. 72 (5). p. 485-488. Includes 8 ref. (NAL Call No.: 464.8 P56).

0624

**Broccoli resistance to downy mildew.**  
CAGRA. Laemmien, F.F. Mayberry, K.S. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1984. v. 38 (11/12). p. 17. ill. (NAL Call No.: DNAL 100 C12CAG).

0625

**Cabbage (Brassica) disorder: clubroot of crucifers (caused by the fungus *Plasmodiophora brassicae*).**  
Stevenson, W.R.+ Helmann, M.F. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. May 1981. May 1981. (A1128). 2 p. ill. (NAL Call No.: S544.3.W6W53).

0626

**Cabbage diseases /L.L. Harter, L.R. Jones.**  
Harter, L. L. Jones, L. R. 1864-1945. Washington, D.C. : U.S. Dept. of Agriculture, 1918. Cover title.~ "Contribution from the Bureau of Plant Industry.". 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.925).

0627

**Cabbage yellows, caused by *Fusarium* *conglutinans*, in Iowa /I.E. Melhus, A.T. Erwin and Frank Van Haltern.**  
Melhus, I. E. 1880-. Erwin, A. T. 1874-; Van Haltern, Frank. Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts, 1926. Caption title.~ Bibliography: p. 215-216. p. 188-216 : ill. ; 23 cm. (NAL Call No.: DNAL 100 I09 no.235).

0628

**Cabbage yellows (*Fusarium oxysporum* *conglutinans*) and new hosts of the pathogen in Greece (Wild crucifer hosts).**  
Thanassouloupoulos, C.C. Kitsos, G.T. Beltsville, Md., Plant Science Research Division, Agricultural Research Service, U.S. Dept. of Agriculture. Plant disease reporter. Dec 1978. v. 62 (12). p. 1051-1053. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0629

**Celery stalk rot fungicide trials--spring 1979 (*Rhizoctonia solani*).**  
Piecarka, D.J. FL. Belle Glade, Fla., The Center. Belle Glade AREC research report EV.Florida. University. Agricultural Research and Education Center. Oct 1979. Oct 1979. (1979-10). 4 p. ill. (NAL Call No.: 100 F663).

0630

**Chemical control of bacterial blight of celery, 1984.**  
FNEDT. Rowe, R.C. Hassell, R.L. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 70. (NAL Call No.: DNAL 464.9 AM31R).

0631

Chemical control of nematodes (*Meloidogyne incognita*, *Trichodorus christiei*, *Criconeimoides ornatus*, *Helicotylenchus dihystra*) and soil-borne plant-pathogenic fungi (*Pythium* spp. and *Fusarium* spp.) on cabbage transplants. Johnson, A.W. McCarter, S.M. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1979. v. 11 (2). p. 138-144. ill. 21 ref. (NAL Call No.: QL391.N4J62).

0632

**Club-root of cabbage.**

Lambe, R.C. McCart, G.D. Blacksburg, Va., The Service. Control series - Virginia Polytechnic Institute. Extension Division. Virginia Polytechnic Institute and State University. Cooperative Extension Service. Jan 1979. Jan 1979. (157). 2 p. ill. (NAL Call No.: SB612.V8V8).

0633

**Clubroot-resistant broccoli breeding lines OSU CR-2 to OSU CR-8.**

HJHSA. Baggett, J.R. Kean, D. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 784-785. ill. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0634

**Clubroot-resistant cabbage breeding lines Oregon 100, 123, 140, and 142 (*Brassica oleracea*, *Plasmodiophora brassicae*).**

Baggett, J.R. HJHSA. Alexandria : American Society for Horticultural Science. HortScience. Feb 1983. v. 18 (1). p. 112-114. ill. Includes references. (NAL Call No.: SB1.H6).

0635

**Combination versus single fungicides for control of *Septoria (apiicola)* leafspot in celery.**

Paulus, A.O. Nelson, J. Berkeley, The Station. California agriculture. California. Agricultural Experiment Station. June 1979. v. 33 (6). p. 15. (NAL Call No.: 100 C12CAG).

0636

**Comparison of chemicals used in Virginia for the control of cabbage clubroot, 1980 (*Brassica oleracea* var. *capitata* L. 'Market Prize'), clubroot; *Plasmodiophora brassicae* Wor.).**

Kroll, T.K. Moore, L.D.; Lacy, G.H.; Lambe, R.C.; Reilly, T. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p.

56-57. (NAL Call No.: 464.9 AM31R).

0637

**Comparison of fungicides for the control of clubroot of cabbage in Virginia, 1980 (*Brassica oleracea* var. *capitata* L. 'Market Prize'), clubroot; *Plasmodiophora brassicae* Wor.).**

Kroll, T.K. Lambe, R.C.; Lacy, G.H.; Reilly, T.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 56. (NAL Call No.: 464.9 AM31R).

0638

**Continuous hours of leaf wetness as a parameter for scheduling fungicide applications to control white rust in spinach.**

PLDRA. Dainello, F.J. Jones, R.K. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1984. v. 68 (12). p. 1069-1072. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

0639

**Control of bottom rot of head lettuce with iprodione.**

PLDRA. Mahr, S.E.R. Stevenson, W.R.; Sequeira, L. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1986. v. 70 (6). p. 506-509. Includes 8 references. (NAL Call No.: DNAL 1.9 P69P).

0640

**Control of cabbage downy mildew in an IPM system, 1981 (*Brassica oleracea* 'Round Dutch'), downy mildew; *Peronospora parasitica*).**

Sitterly, W.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 64. (NAL Call No.: 464.9 AM31R).

0641

**The control of cabbage yellows through disease resistance /L.R. Jones and J.C. Gilman.**

Jones, L. R. 1864-1945. Gilman, J. C. 1890-. Madison, Wis. : Agricultural Experiment Station of the University of Wisconsin, 1915. Cover title. 70 p. : ill. ; 23 cm. Bibliography: p. 69-70. (NAL Call No.: DNAL 100 W75 (2) no.38).

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0642

Control of downy mildew of broccoli, 1979 (Broccoli (*Brassica oleracea* var. *botrytis* 'Green Duke'), downy mildew; *Peronospora destructor*).

Lewis, G.D. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 62. (NAL Call No.: 464.9 AM31R).

0643

Control of drop in Boston lettuce, 1979 (Lettuce (*Lactuca sativa* 'Boston'), drop; *Sclerotinia* sp.).

Farley, J.D. Foor, S.; Keene, C. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 71-72. (NAL Call No.: 464.9 AM31R).

0644

Control of drop in fall lettuce, 1977-78 (Lettuce (*Lactuca sativa* 'Great Lakes', 'Ithaca'), drop; *Sclerotinia sclerotiorum*).

Potter, H.S. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 74. (NAL Call No.: 464.9 AM31R).

0645

Control of drop in fall lettuce, 1982 (*Sclerotinia minor*, *Sclerotinia sclerotiorum*, *Lactuca sativa*).

Lewis, G.D.FNETD. (s.l.) : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1983. v. 38. p. 101. (NAL Call No.: 464.9 AM31R).

0646

Control of drop in spring lettuce, 1982 (*Sclerotinia minor* and *Sclerotinia sclerotiorum* on *Lactuca sativa*).

Lewis, G.D.FNETD. (s.l.) : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1983. v. 38. p. 101. (NAL Call No.: 464.9 AM31R).

0647

Control of early blight of celery with fungicides, 1981 (Celery (*Apium graveolens* var. *dulce* 'Florida 683'), early blight; *Cercospora apii*).

Row, R.C. Farley, J.D. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 66. (NAL Call No.: 464.9 AM31R).

0648

Control of early blight of celery with fungicides, 1982 (*Cercospora apii* on *Apium graveolens* var. *dulce*).

Rowe, R.C.FNETD. Hassell, R.L. (s.l.) : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1983. v. 38. p. 97. (NAL Call No.: 464.9 AM31R).

0649

Control of lettuce drop, fall, 1979 (Lettuce *sativa* 'Mesa 659'), drop; *Sclerotinia* sp.).

Lewis, G.D. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

0650

Control of lettuce drop in Oswego County, New York during 1980 (Lettuce (*Lactuca sativa* 'Green Lakes' 'Mesa'), drop; *Sclerotinia minor*).

Lorbeer, J.W. Wymore, L.A.; LoParco, D.P. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 63. (NAL Call No.: 464.9 AM31R).

0651

Control of lettuce drop in Oswego County, New York, 1979 (Lettuce (*Lactuca sativa* 'Ithaca', 'Minetto'), drop; *Sclerotinia minor*).

Lorbeer, J.W. Wymore, L.A.; LaParco, D.P. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

0652

Control of lettuce drop with foliar sprays and transplant drenches: spring, 1981 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*, *Sclerotinia sclerotiorum*).

Johnston, S.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 71. (NAL Call No.: 464.9 AM31R).

0653

Control of lettuce drop with foliar sprays, fall 1979 (Lettuce (*Lactuca sativa* 'Ithaca'), drop; *Sclerotinia minor*).

Johnston, S.A. Springer, J.K. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 72. (NAL Call No.: 464.9 AM31R).

0654

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0712

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Inman, J.W. Lenker, D.; Greathead, A.S.; Agamalian, H. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 93-95. ill. (NAL Call No.: SB351.L6I25).

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0720

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Lewis, G.D. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 73. (NAL Call No.: 464.9 AM31R).

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**Lettuce powdery mildew (*Erysiphe cichoracearum*) in the Florida Everglades agricultural area.**  
Pieczarka, D.U. Guzman, V.L. Belle Glade, Fla., The Center. Belle Glade AREC research report; EV - Florida University, Agricultural Research and Education Center. Apr 1980. Apr 1980. (1980-8). 2 p. 2 ref. (NAL Call No.: 100 F663).

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**Localized infections of siliques and seed of cabbage by *Phoma lingam* (Blackleg disease, Fungi).**  
Bonman, J.M. Gabrielson, R.L. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 868-869. ill. 11 ref. (NAL Call No.: 1.9 P69P).

0725

**Maintaining *Bremia lactucae* on washed seedlings of *Lactuca sativa* in deep petri dishes (Lettuce, downy mildew).**  
Yuen, J.E. Lorbeer, J.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Dec 1981. v. 71 (12). p. 1232-1234. ill. Includes 7 ref. (NAL Call No.: 464.8 P56).

0726

**Male fertile and male sterile cabbage, broccoli, and cauliflower clubroot resistant breeding lines.**  
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0727

**Natural and experimental production of oospores of *Bremia lactucae* in lettuce in New York.**  
PLDRA. Yuen, J.E. Lorbeer, J.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1987. v. 71 (1). p. 63-64. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0728

**New fungicide evaluations on crucifers, 1979 (Cabbage (*Brassica oleracea* var. *capitata* 'Wisconsin', 'Golden Acre'), cauliflower (*Brassica oleracea* var. *botrytis* 'Snow Ball'), downy mildew; *Peronospora parasitica*).**  
Abdel-Rahman, M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 62. (NAL Call No.: 464.9 AM31R).

0729

**A new gene for resistance to *Bremia lactucae* (Downy mildew of lettuce, *Lactuca sativa*).**  
Yuen, J.E. PHYTA. Lorbeer, J.W. St. Paul : American Phytopathological Society. Phytopathology. Feb 1983. v. 73 (2). p. 159-162. ill. 24 ref. (NAL Call No.: 464.8 P56).

0730

**A new race of *Fusarium oxysporum* f. sp. *conglutinans* that attacks cabbage with type A resistance.**  
PLDRA. Ramirez-Villupadua, J. Endo, R.M.; Bosland, P.; Williams, P.H. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1985. v. 69 (7). p. 612-613. Includes 3 references. (NAL Call No.: DNAL 1.9 P69P).

0731

**New systemic fungicide controls downy mildew of broccoli (*Peronospora parasitica*).**  
Paulus, A. Snyder, M. Berkeley, Division of Agricultural Sciences, University of California. California agriculture. Nov 1978. v. 32 (11). p. 12-13. ill. (NAL Call No.: 100 C12CAG).

0732

**Occurrence and populations of *Plasmodiophora brassicae* in sediments of irrigation water sources (*Brassica oleracea* var. *capitata*, clubroot of cabbage, farm pond sediments).**  
Datnoff, L.E. Lacy, G.H.; Fox, J.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Mar 1984. v. 68 (3). p. 200-203. Includes references. (NAL Call No.: 1.9 P69P).

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0733

**Occurrence, dissemination, and survival of plant pathogens (mainly fungi) in surface irrigation ponds in southern Georgia (Virulence on cotton, cabbage, tomato, and pea).**

Shokes, F.M. McCarter, S.M. St. Paul, American Phytopathological Society. Phytopathology. May 1979. v. 69 (5). p. 510-516. ill. 37 ref. (NAL Call No.: 464.8 P56).

0734

**Occurrence of fusarium yellows of celery caused by *Fusarium oxysporum* f. sp. *apii* race 2 in New York and its control.**

PLDRA. Awuah, R.T. Lorbeer, J.W.; Ellerbrock, L.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1986. v. 70 (12). p. 1154-1158. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0735

**Occurrence of race 3 of *Peronospora effusa* on spinach in Texas and identification of sources of resistance (*Spinacia oleracea*, blue mold, downy mildew, cultivars).**

Jones, R.K. Dainello, F.J. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 1078-1079. 16 ref. (NAL Call No.: 1.9 P69P).

0736

**On the promotion of senescence in *Brassica oleracea* var. *capitata* (cabbage) by *Alternaria brassicicola* (leaf spot) and by *Botrytis cinerea* (gray mold).**

Poapst, P.A. Ramsomair, B.A. Ottawa, National Research Council of Canada. Canadian journal of botany. Journal canadien de botanique. Nov 1, 1979. v. 57 (21). p. 2378-2386. ill. 16 ref. (NAL Call No.: 470 C16C).

0737

**Ozarka and Greenvally: new disease resistant spinach cultivars (*Albugo occidentalis* (white rust) and moderate resistance to *Fusarium oxysporum* f. sp. *spinaciae* (*fusarium decline*)).**

Bowers, J.L. AR. Goode, M.J. Fayetteville, The Station. Arkansas farm research - Arkansas, Agricultural Experiment Station. Mar/Apr 1980. v. 29 (2). p. 6. (NAL Call No.: 100 AR42F).

0738

**Pest control in commercial cole crop production (Includes weed control).**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. 1983. 1983. (A2357). 4

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0739

**Phoma black leg of cabbage / R. C. Lambe & R. Pristou. -.**

Lambe, R. C. Blacksburg Extension Division, Virginia Polytechnic Institute and State University 1977. 3 p. : ill. --. (NAL Call No.: SB612.V8V8 no.156 1977).

0740

**Phytophthora root rot of cabbage and cauliflower in Oregon (*Phytophthora megasperma*).**

Hamm, P.B. Koepsell, P.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. June 1984. v. 68 (6). p. 533-535. ill. Includes references. (NAL Call No.: 1.9 P69P).

0741

**Plant diseases: Club root of cabbage and other crucifers.**

WUEXA. Davidson, R.M. Jr. Byther, R.S. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Oct 1985. (1049,rev.). 2 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0742

**Plant diseases: Club root of cabbage and other crucifers (*Plasmodiophora brassicae*, control, Washington).**

Davidson, R.M. Jr. Blyther, R.S. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Mar 1982. Mar 1982. (1049). 2 p. ill. (NAL Call No.: 275.29 W27P).

0743

**Plant pathology fact sheet: cabbage diseases (*Rhizoctonia*, *Peronospora parasitica*, *Xanthomonas campestris*, *Phoma lingam*, *Alternaria brassicae*).**

Gay, J.D. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (294,rev.). 4 p. ill. (NAL Call No.: 275.29 G29L).

0744

**Populations of the spinach wilt pathogen, *Fusarium oxysporum* f. sp. *spinaciae*, in the root tissues, rhizosphere, and soil in the field.**

Reyes, A.A. Ottawa. Canadian journal of microbiology. Feb 1979. v. 25 (2). p. 227-229. 11 ref. (NAL Call No.: 448.8 C162).

0745

**Production of sclerotia of *Sclerotinia minor* on lettuce in the field and their distribution in soil after disking.**

PLDRA. Adams, P.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1043-1046. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0746

**Rapid separation of *Sclerotinia minor* sclerotia from artificially and naturally infested organic soil (Drop disease of lettuce).**

Abd-Elrazik, A.A. Lorbeer, J.W. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1980. v. 70 (9). p. 892-894. ill. 5 ref. (NAL Call No.: 464.8 P56).

0747

**Rates of fungicide application for control of light leaf spot cauliflower, 1980 (Cauliflower (*Brassica oleracea* var. botrytis 'Phenomenal Y404'), light leaf spot; *Pyrenopeziza brassicae*).**

Cheah, L.H. Hartill, W.F.T.; Corbin, J.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57. (NAL Call No.: 464.9 AM31R).

0748

**Reaction of cauliflower cultivars to downy mildew (caused by the fungus *Peronospora parasitica*) in Imperial Valley.**

Kontaxis, D.G. Mayberry, K.S. Berkeley, The Station. California agriculture. California. Agricultural Experiment Station. June 1979. v. 33 (6). p. 19. ill. (NAL Call No.: 100 C12CAG).

0749

**Reaction of lettuce germ plasm to artificial inoculation with *Sclerotinia minor* under greenhouse conditions.**

Abawi, G.S. Robinson, R.W.; Cobb, A.C.; Shail, J.W. St. Paul, Minn., American Phytopathological Society. Plant disease. July 1980. v. 64 (7). p. 668-671. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0750

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PHYTAU. Dillard, H.R. Grogan, R.G. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Jan 1985. v. 75 (1). p. 90-94. Includes 25 references. (NAL Call No.: DNAL 464.8 P56).

0751

**Relative white rust (*Albugo occidentalis*) resistance and adaptability of spinach varieties in southwest Texas.**

Dainello, F.J. Heineman, R.R.; Jones, R.K. College Station, Tex., The Station. PR - Texas Agricultural Experiment Station. June 1981. June 1981. (3878). 7 p. ill. 3 ref. (NAL Call No.: 100 T31P).

0752

**Rhizoctonia foliar blight of cabbage in New York State.**

PLDRA. Abawi, G.S. Martin, S.B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Feb 1985. v. 69 (2). p. 158-161. ill. Includes 27 references. (NAL Call No.: DNAL 1.9 P69P).

0753

**Role of primary and secondary zoospores of *Plasmidiophora brassicae* in the development of clubroot in Chinese cabbage (*Brassica campestris* s. sp. *pekinensis*).**

Dobson, R.L. PHYTA. Gabrielson, R.L. St. Paul : American Phytopathological Society. Phytopathology. Apr 1983. v. 73 (4). p. 559-561. Includes references. (NAL Call No.: 464.8 P56).

0754

**Root rot of chicory caused by *Phymatotrichum omnivorum* and *Phytophthora cryptogea*.**

Stanghellini, M.E. Kronland, W.C. St. Paul, Minn., American Phytopathological Society. Plant disease. Mar 1982. v. 66 c (3). p. 282-283. ill. Includes 3 ref. (NAL Call No.: 1.9 P69P).

0755

**Root rot of hydroponically grown spinach caused by *Pythium aphanidermatum* and *Pythium dissotocum*.**

Bates, M.L. Stanghellini, M.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1984. v. 68 (11). p. 989-991. ill. Includes 10 references. (NAL Call No.: 1.9 P69P).

0756

**Root rot of lettuce incited by *Pythium polymastum*.**

Coplin, D.L. Schmitthenner, A.F. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 63-66. ill. 11 ref. (NAL Call No.: 1.9 P69P).

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0757

**Saving the celery (*Fusarium oxysporum*).**  
Scheider, R.W. Welch, K.E. Willoughby, Ohio, Meister. American vegetable grower and greenhouse grower. June 1980. v. 28 (6). p. 41-42. (NAL Call No.: 80 C773).

0758

**Sclerotinia sclerotiorum, incitant of lettuce drop : sources of inoculum, host resistance, and mechanisms of pathogenesis / by H. Calvin Newton.** -.  
Newton, H. Calvin, 1942-. 1972. Thesis (Ph.D.)--University of Wisconsin, 1972. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. ix, 135 leaves ; 21 cm. Bibliography: leaves 128-135. (NAL Call No.: DISS 72-4,292).

0759

**Search for resistance to downy mildew and the nature of inheritance of resistance (Lettuce cultivars, California).**  
Zink, F.W. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 176-179. (NAL Call No.: SB351.L6I25).

0760

**Seed treatment and rainfall in relation to the control of cabbage black-leg /by J.C. Walker.**  
Walker, J. C. 1893-. Washington, D.C. : U.S. Dept. of Agriculture, 1922. Caption title.~ "March 28, 1922."~ "Professional paper.". 27 p., 2 p. of plates : ill. ; 24 cm. Bibliography: p. 27. (NAL Call No.: DNAL 1 Ag84B no.1029).

0761

**Shallow planting and fungicide application to control Rhizoctonia stalk rot of celery (*Fungi, Chlorothalonil*).**  
Pieczarka, D.J. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 879-880. 9 ref. (NAL Call No.: 1.9 P69P).

0762

**Soil water matric potential requirements for root-hair and cortical infection of Chinese cabbage by *Plasmodiophora brassicae* (*Brassica campestris* spp. *pekinensis*).**  
Dobson, R. PHYTA. Gabrielson, R.L.; Baker, A.S. St. Paul : American Phytopathological Society. Phytopathology. Dec 1982. v. 72 (12). p. 1598-1600. 13 ref. (NAL Call No.: 464.8 P56).

0763

**Solar heating and amendments control cabbage yellows.**  
CAGRA. Villapudua, J.R. Munnecke, D.E. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. May/June 1986. v. 40 (5/6). p. 11-13. ill. (NAL Call No.: DNAL 100 C12CAG).

0764

**Sources and nature of resistance to downy mildew and turnip mosaic in Chinese cabbage (*Peronospora parasitica*, disease screen, *Brassica campestris*).**  
Niu, X.K. JDSHB. Leung, H.; Williams, P.H. Alexandria : The Society. Journal of the American Society for Horticultural Science. Sept 1983. v. 108 (5). p. 775-778. ill. Includes references. (NAL Call No.: 81 S012).

0765

**Sources of resistance to *Fusarium* yellows of celery in California (*Fusarium oxysporum* apil).**  
Opgenorth, D.C. Endo, R.M. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Mar 1979. v. 63 (3). p. 165-169. ill. 4 ref. (NAL Call No.: 1.9 P69P).

0766

**Sprays for control of lettuce drop, 1980 (Lettuce (*Lactuca sativa* 'Mesa 659'), drop; *Sclerotinia* sp.).**  
Lewis, G.D. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 63. (NAL Call No.: 464.9 AM31R).

0767

**Studies on host-pathogen interaction of *Plasmodiophora brassicae* Wor. with cabbage cells cultivated in vitro / by Robert Roy Herr.** -.  
Herr, Robert Roy, 1927-. 1970. Thesis--George Washington University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. viii, 173 leaves. Bibliography: leaves 161-173. (NAL Call No.: DISS 70-20,073).

0768

**Studies on the inheritance of resistance to *Fusarium oxysporum* f. sp. *apil* in celery (Role of dominant allele, disease immunity).**  
Orton, T.J. Durgan, M.E.; Hulbert, S.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. July 1984. v. 68 (7). p. 574-578. ill. Includes references. (NAL Call No.: 1.9 P69P).

0769

**Suppression of Fusarium yellows of celery with potassium, chloride, and nitrate.**  
PHYTAJ. Schneider, R.W. St. Paul, Minn. : American Phytopathological Society.  
Phytopathology. Jan 1985. v. 75 (1). p. 40-48.  
Includes 36 references. (NAL Call No.: DNAL 464.8 P56).

0770

**Suppression of lettuce drop caused by Sclerotinia minor with composted sewage sludge.**  
PLDRA. Lumsden, R.D. Millner, P.D. St. Paul, Minn. : American Phytopathological Society.  
Plant disease. Mar 1986. v. 70 (3). p. 197-201.  
ill. Includes 28 references. (NAL Call No.: DNAL 1.9 P69P).

0771

**Survival of sclerotia of Sclerotinia sclerotiorum and effects of cultivation practices on disease (Beans and lettuce).**  
Merriman, P.R. Pywell, M. Oxford, Pergamon Press. Soil biology and biochemistry. 1979. v. 11 (6). p. 567-570. ill. 5 ref. (NAL Call No.: S592.7.A156).

0772

**Systemic pesticides for control of downy mildew (Peronospora parasitica) and insects (Peronospora parasitica, Brevicoryne brassicae, Hylemya brassicae) on cabbage transplants grown for seed production.**  
Gabrielson, R.L. Getzin, L.W. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Feb 1979. v. 63 (2). 131-135. ill. 8 ref. (NAL Call No.: 1.9 P69P).

0773

**Tan sclerotia of Sclerotinia sclerotiorum from lettuce (Lactuca sativa, culture and pathogenicity).**  
Garrabrandt, L.E. MYCOA. Johnston, S.A.; Peterson, J.L. Bronx : The New York Botanical Garden. Mycologia. May/June 1983. v. 75 (3). p. 451-456. ill. Includes references. (NAL Call No.: 450 M99).

0774

**Thiocyanate ion content in relation to clubroot disease severity in cabbages (by Plasmodiophora brassicae).**  
Chong, C. Chiang, M.S.; Crete, R. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1981. v. 16 (5). p. 663-664. ill. 15 ref. (NAL Call No.: SB1.H6).

0775

**Timing fungicidal control of Sclerotinia minor causing drop lettuce grown on organic soils in New York.**  
PLDRA. Wymore, L.A. Lorbeer, J.W. St. Paul, Minn. : American Phytopathological Society.  
Plant disease. Dec 1986. v. 70 (12). p. 1134-1138. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0776

**Timing of benomyl applications for control of light leaf spot of cauliflower, 1980 (Cauliflower (Brassica oleracea vr. botrytis 'Phenomenal Y404'), light leaf spot; Pyrenopeziza brassicae).**  
Cheah, L.H. Hartill, W.F.T.; Corbin, J.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57. (NAL Call No.: 464.9 AM31R).

0777

**Two Illinois rhubarb diseases /by Frank Lincoln Stevens.**  
Stevens, Frank Lincoln, 1871-1934. Urbana, Ill. : University of Illinois Agricultural Experiment Station, 1919. Cover title. p. 297 -312 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I16S no.213).

0778

**UC1, fusarium yellows-resistant celery breeding line (Cultivar development, Fusarium oxysporum).**  
Orton, T.J. Hulbert, S.H.; Dungan, M.E.; Quiros, C.F. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1984. v. 19 (4). p. 594. ill. Includes 2 references. (NAL Call No.: SB1.H6).

0779

**The ultrastructure of meiosis in Plasmodiophora brassicae (Plasmodiophorales) (cause of clubroot in cabbage).**  
Garber, R.C. Aist, J.R. Ottawa, National Research Council of Canada. Canadian journal of botany. Journal canadien de botanique. Nov 15, 1979. v. 57 (22). p. 2509-2518. ill. 21 ref. (NAL Call No.: 470 C16C).

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**0780**

**Use of metham applied through sprinkler irrigation to control lettuce drop caused by *Sclerotinia minor* (Abstract only).**  
Adams, P.B. Krikun, J.; Johnson, S.A.; Carpenter, H.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1981. v. 71 (7). p. 764. (NAL Call No.: 464.8 P56).

**0781**

**Virulence factors of *Bremia lactucae* in New York (Downy mildew of lettuce, *Lactuca sativa*).**  
Yuen, J.E. PHYTA. Lorbeer, J.W. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1363-1367. 36 ref. (NAL Call No.: 464.8 P56).

**0782**

**Virulence of *Phoma lingam* to cabbage (Blackleg disease, Fungi).**  
Bonman, J.M. Gabrielson, R.L.; Williams, P.H.; Delwiche, P.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Nov 1981. v. 65 (11). p. 865-867. ill. 9 ref. (NAL Call No.: 1.9 P69P).

**0783**

**Yield loss in hydroponically grown lettuce attributed to subclinical infection of feeder rootlets by *Pythium dissotocum*.**  
PLDRA. Stanghellini, M.E. Kronland, W.C. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1053-1056. ill. Includes references. (NAL Call No.: DNAL 1.9 P69P).

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0784

"Agroinfection," an alternative route for viral infection of plants by using the Ti plasmid. PNASA. Grimsley, N. Hohn, B.; Hohn, T.; Walden, R. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. May 1986. v. 83 (10). p. 3282-3286. ill. Includes 34 references. (NAL Call No.: DNAL 500 N21P).

0785

**Bacterial black rot of cabbage.** Lambe, R.C. Baldwin, R.E. Blacksburg, Va., The Service. Control series - Virginia Polytechnic Institute. Extension Division. Virginia Polytechnic Institute and State University. Cooperative Extension Service. Jan 1979. Jan 1979. (155). 3 p. ill. (NAL Call No.: SB612.V8V8).

0786

**Bacterial diseases of lettuce (Pseudomonas, Xanthomonas, Erwinia, Hawaii).** Alvarez, A.M. Honolulu : The Institute. Research extension series - Hawaii Institute of Tropical Agriculture and Human Resources. July 1982. Presented at the Hawaii Lettuce Conference, February, 1981. July 1982. (019). p. 46-52. (NAL Call No.: S481.R4).

0787

**The black rot of the cabbage /by Erwin F. Smith.** Smith, Erwin F. 1854-1927. Washington : U.S. Dept. of Agriculture, 1898. Cover title. 22 p. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.68).

0788

**Cabbage diseases /L.L. Harter, L.R. Jones.** Harter, L. L. Jones, L. R. 1864-1945. Washington, D.C. : U.S. Dept. of Agriculture, 1918. Cover title. ~ "Contribution from the Bureau of Plant Industry.". 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.925).

0789

**A causative agent of reddening in lettuce.** TKASAT. Wall, R.W. Elliott, L.P. Louisville, K.Y. : The Academy. Transactions of the Kentucky Academy of Science. Nov 1986. v. 47 (3/4). p. 118-120. Includes references. (NAL Call No.: DNAL 500 K41).

0790

**Chemical control of bacterial blight of celery, 1984.** FNETD. Rowe, R.C. Hassell, R.L. s.l. : The Society. Fungicide and nematocides tests : results - American Phytopathological Society. 1985. v. 40. p. 70. (NAL Call No.: DNAL 464.9 AM31R).

0791

**Control of Xanthomonas campestris pv. campestris in crucifer seed with slurry treatments of calcium hypochlorite.** PLDRA. Schultz, T. Gabrielson, R.L.; Olson, S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1027-1030. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0792

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.** Grogan, R.G. Kimble, K.A.; Engler, D.E.; Patterson, C.L.; Waters, C.M. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 21-33. ill. (NAL Call No.: SB351.L6I25).

0793

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.** Grogan, R.G. Patterson, C.L.; Waters, C.M.; Kimble, K.A.; Roberts, H.; Delp, B.; Engler, D. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 25-35. (NAL Call No.: SB351.L6I25).

0794

**Disease control of soft and bottom rot of lettuce (Erwinia carotovora, Rhizoctonia solani, Hawaii).** Cho, J.J. Honolulu : The Institute. Research extension series - Hawaii Institute of Tropical Agriculture and Human Resources. July 1982. Presented at the Hawaii Lettuce Conference, February, 1981. July 1982. (019). p. 26-33. (NAL Call No.: S481.R4).

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0795

Economically important diseases of lettuce. PLDRA. Patterson, C.L. Grogan, R.G.; Campbell, R.N. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1986. v. 70 (10). p. 982-987. ill. Includes references. (NAL Call No.: DNAL i.9 P69P).

0796

The effect of raised beds, population densities, and planting date on the incidence of bacterial soft rot in Chinese cabbage. JDSHB. Fritz, V.A. Honma, S. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 41-44. Includes 15 references. (NAL Call No.: DNAL 8i S012).

0797

The effects of nutrient solution sterilization on the growth and yield of hydroponically grown lettuce.

HJHSA. Schwartzkopf, S.H. Dudzinski, D.; Minners, R.S. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 873-874. Includes references. (NAL Call No.: DNAL SB1.H6).

0798

Evaluation of bacterial soft rot-tolerant crisphead lettuce cultivars in Hawaii (Erwinia carotovora, Lactuca sativa, Sclerotinia sclerotiorum, Rhizoctonia solani).

Cho, J.J. HI. Honolulu, The Station. Technical bulletin - Hawaii Agricultural Experiment Station. July 1979. July 1979. (102). 9 p. 8 ref. (NAL Call No.: 100 H313T).

0799

Evaluation of chemical for control of celery diseases, 1979 (Celery (Apium graveolens var dulce 'Camaro'), early blight; Cercospora apii, late blight; Septoria apii, bacterial blight; Pseudomonas apii).

Potter, H.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 57-58. (NAL Call No.: 464.9 AM31R).

0800

Evaluation of fungicide sprays for cabbage black rot control, 1980 (Cabbage (Brassica oleracea, var. capitata 'C-G'), black rot; Xanthomonas campestris).

Alvarez, A.M. Horl, T.M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 55-56. (NAL Call No.: 464.9 AM31R).

0801

Fall 1979 chemical control trials for celery bacterial blight, early blight and stalk rot (Pseudomonas cichorii, Cercospora apii, Rhizoctonia solani).

Pieczarka, D.J. Belle Glade, Fla., The Center. Belle Glade AREC research report; EV - Florida University, Agricultural Research and Education Center. Apr 1981. Apr 1981. (1980-6). 5 p. (NAL Call No.: 100 F663).

0802

Genetics and physiology of black rot resistance in cabbage / by Theodor Staub. -.

Staub, Theodor H. (Theodor Heinrich), 1941-. 1971. Thesis (Ph.D)--University of Wisconsin, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1972. v1, 68 leaves ; 21 cm. Includes bibliographies. (NAL Call No.: DISS 71-25,506).

0803

Growth and movement of Xanthomonas campestris in natural fluids of cabbage.

Zoller, Broc Gerald. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of California, Davis, 1972. iv, 77 leaves. Bibliography: leaves 70-72. (NAL Call No.: DISS 73-16,941).

0804

Inheritance of resistance in cabbage seedlings to black rot.

HJHSA. Dickson, M.D. Hunter, J.E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1987. v. 22 (1). p. 108-109. Includes references. (NAL Call No.: DNAL SB1.H6).

0805

Linear furocoumarin accumulation in celery plants infected with Erwinia carotovora pv. carotovora.

JAFAU. Surico, G. Varvaro, L.; Solfrizzo, M. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. May/June 1987. v. 35 (3). p. 406-409. Includes references. (NAL Call No.: DNAL 381 J8223).

0806

Plant pathology fact sheet: cabbage diseases (Rhizoctonia, Peronospora parasitica, Xanthomonas campestris, Phoma lingam, Alternaria brassicae).

Gay, J.D. Athens, Ga. : The Service. Leaflet - Cooperative Extension Service, University of Georgia. Mar 1984. Mar 1984. (294,rev.). 4 p. ill. (NAL Call No.: 275.29 G29L).

0807

The relation of extracellular polysaccharide of *Xanthomonas campestris* to xylem plugging and lesion development in black rot of cabbage.  
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0808

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**The isolation and identification of spermidine from turnip yellow mosaic virus and its biosynthesis in healthy and virus-infected Chinese cabbage (*Brassica pekinensis*, Rupr. var. Wong Bok) / by Steven Vincent Beer.**

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0881

**The latent period of beet curly top virus in the beet leafhopper, *Circulifer tenellus*, mechanically injected with infectious phloem exudate (sugarbeets, spinach).**

Magyarosy, Sylvester, E.S. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1979. v. 69 (7). p. 736-738. ill. 13 ref. (NAL Call No.: 464.8 P56).

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The latent period of beet curly top virus in the beet leafhopper, *Circulifer tenellus*, mechanically injected with infectious phloem exudate (Sugarbeets, spinach).

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0909

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0931

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0935

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**Transcription in vitro of cauliflower mosaic virus DNA by RNA polymerase I, II, and III purified from wheat embryos.**

Teissere, M. Durand, R. New York, Academic Press. Biochemical and biophysical research communications. July 27, 1979. v. 89 (2). p. 526-533. ill. 20 ref. (NAL Call No.: 442.8 B5236).

0937

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0938

**Transcription of cauliflower mosaic virus integrated into plant genomes.**

VIRLA. Shewmaker, C.K. Caton, J.R.; Houck, C.M.; Gardner, R.C. New York, N.Y. : Academic Press. Virology. Jan 30, 1985. v. 140 (2). p. 281-288. ill. Includes references. (NAL Call No.: DNAL 448.8 V81).

0939

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Virology. Nov 1980. v. 107 (1). p. 71-80. ill.  
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0940

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Falk, B.W. Duffus, J.E. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 612-617. ill. 24 ref. (NAL Call No.: 464.8 P56).

0941

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Namba, R. Sylvester, E.S. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 546-551. 17 ref. (NAL Call No.: 421 J822).

0942

**Transmission of X-disease (peach yellow leafroll) agent by the leafhoppers Scaphytopius nitridus and Acinopterus angulatus (Peaches, celery).**  
Purcell, A.H. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. July 1979. v. 63 (7). p. 549-552. ill. 11 ref. (NAL Call No.: 1.9 P69P).

0943

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Howell, S.H. New York, Academic Press.  
Virology. July 30, 1981. v. 112 (2). p. 488-495. ill. 16 ref. (NAL Call No.: 448.8 V81).

0944

**Unencapsidated nucleic acids of cauliflower mosaic virus and their significance in virus replication.**  
Hull, R. Covey, S.N. Cold Spring Harbor, N.Y. : Cold Spring Harbor Laboratory, c1983. Plant infectious agents : viruses, viroids, virusoids, and satellites / edited by H.D. Robertson ... (et al.). p. 23-27. ill. Includes references. (NAL Call No.: SB736.P56).

0945

**Unstable infectivity and sedimentable ds-RNA associated with lettuce speckles mottle virus.**  
Falk, B.W. Morris, T.J. New York, Academic.  
Virology. July 15, 1979. v. 96 (1). p. 239-248. ill. 24 ref. (NAL Call No.: 448.8 V81).

0946

**Use of early flowering genes to reduce generation time in backcrossing, with specific application to lettuce breeding.**  
JOSHB. Ryder, E.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1985. v. 110 (4). p. 570-573. Includes 17 references. (NAL Call No.: DNAL 81 S012).

0947

**'Vanguard 75' lettuce (Breeding, mosaic resistant cultivars).**  
Ryder, E.J. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. June 1979. v. 14 (3,sect.1). p. 284-286. ill. 5 ref. (NAL Call No.: SB1.H6).

0948

**Vector transmission and synthesis of sowthistle yellow vein virus in the host Sonchus oleraceus L. / by Conrad Jon Krass. -**  
Krass, Conrad Jon. Berkeley University of California 1974. Thesis--University of California, Berkeley. viii, 110 leaves : ill. ; 28 cm. Bibliography: leaves 45-50. (NAL Call No.: SB608.L523K7).

0949

**A viable mutation in cauliflower mosaic virus, a retroviruslike plant virus, separates its capsid protein and polymerase genes.**  
JOVIAM. Penswick, J. Hubler, R.; Hohn, T. Washington, D.C. : American Society for Microbiology. Journal of virology. Apr 1988. v. 62 (4). p. 1460-1463. Includes references. (NAL Call No.: DNAL QR360.J6).

0950

**A virus as the causal agent of spring yellows of lettuce and escarole (Beet western yellows virus, Myzus persicae, Florida).**  
Falk, B.W. Guzman, V.L. S.I., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 149-152. ill. Includes 6 ref. (NAL Call No.: 81 F66).

**(PLANT DISEASES - VIRAL)**

**0951**

**Whitefly-borne viruses of melons and lettuce in Arizona.**

PHYTA. Brown, J.K. Nelson, M.R. St. Paul, Minn.  
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Phytopathology. Feb 1986. v. 76 (2). p.  
236-239. ill. Includes 20 references. (NAL Call  
No.: DNAL 464.8 P56).

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0952

**Boron nutrition and mobility, and its relation to hollow stem and the elemental composition of greenhouse grown cauliflower.**

JPNUDS. Shelp, B.J. Shattuck, V.I. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. Feb 1987. v. 10 (2). p. 143-162. Includes references. (NAL Call No.: DNAL QK867.J67).

0953

**Cabbage variety situation for 1984.**

NYAEA. Becker, R.F. Geneva, N.Y. : The Station. Special report - New York State Agricultural Experiment Station, Geneva. Apr 1985. (56). p. 9-10. (NAL Call No.: DNAL S95.E24).

0954

**Cauliflower leaf tipburn: a calcium deficiency disorder (Varieties, nutritional deficiencies).**

Maynard, D.N. Warner, D.C.; Howell, J.C. Alexandria, Va., American Society for Horticultural Science. HortScience. Apr 1981. v. 16 (2). p. 193-195. ill. 15 ref. (NAL Call No.: SB1.H6).

0955

**Cool spring of 1983 results in seedstalks and puffy heads in some cabbage cultivars.**

Bowers, J.L. Motes, D.; Pearson, M.E. Fayetteville, Ark. : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1984. v. 33 (2). p. 7. ill. (NAL Call No.: 100 AR42F).

0956

**Corky root rot on crisphead lettuce. II. Greenhouse study on sterilized soil.**

Lucas, R.E. Guzman, V.L. Belle Glade, Fla., The Center. Belle Glade AREC research report; EV - Florida University, Agricultural Research and Education Center. June 1980. June 1980. (1980-12). 2 p. (NAL Call No.: 100 F663).

0957

**Development of procedures for optimal control of fungal, bacterial, and physiological diseases of lettuce.**

Grogan, R.G. Kimble, K.A.; Engler, D.E.; Patterson, C.L.; Waters, C.M. Sacramento, The Board. Iceberg Lettuce Research Program annual report. 1980. 1980. (6th). p. 21-33. ill. (NAL Call No.: SB351.L6I25).

0958

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Grogan, R.G. Patterson, C.L.; Waters, C.M.; Dillard, H.; Delp, B. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 15-30. (NAL Call No.: DNAL SB351.L6I25).

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Grogan, R.G. Patterson, C.L.; Waters, C.M.; Kimble, K.A.; Roberts, H.; Delp, B.; Engler, D. Sacramento : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Apr 1, 1981/Mar 31, 1982. Apr 1, 1981/Mar 31, 1982. p. 25-35. (NAL Call No.: SB351.L6I25).

0960

**Effects of artificial enclosure of young lettuce leaves on tipburn incidence and leaf calcium concentration.**

JOSHB. Barta, D.J. Tibbitts, T.W. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1986. v. 111 (3). p. 413-416. ill. Includes references. (NAL Call No.: DNAL 81 S012).

0961

**Effects of relative humidity and root temperature on calcium concentration and tipburn development in lettuce (*Lactuca sativa*).**

Collier, G.F. Tibbitts, T.W. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 128-131. Includes references. (NAL Call No.: 81 S012).

0962

**Factors involved in the development of tipburn in crisphead lettuce in Hawaii (Physiological disorder).**

Yanagi, A.A. JOSHB. Bullock, R.M.; Cho, J.U. Alexandria : The Society. Journal of the American Society for Horticultural Science. Mar 1983. v. 108 (2). p. 234-237. ill. Includes references. (NAL Call No.: 81 S012).

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0963

Further aspects of the inheritance of magnesium deficiency chlorosis in celery (*Apium graveolens* L. var. *Dulce* (Mill) D.C.) / by Peter Robert Dawson. -. Dawson, Peter Robert, 1940-. 1969. Thesis (Ph.D.)--Cornell University, 1969. Photocopy. Ann Arbor, Mich. : University Microfilms, 1970. v, 135 leaves : ill. ; 21 cm. Bibliography: leaves 119-123. (NAL Call No.: DISS 69-20,971).

0964

Growth and tipburn of lettuce : carbon dioxide enrichment at different light intensity and humidity levels, and rate of incorporation of carbon-14 assimilates into the latex / by Michael Read. -. Read, Michael. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Wisconsin, 1972. Facsimile produced by microfilm-xerography. viii, 145 leaves. Bibliography: leaves 135-145. (NAL Call No.: DISS 73-7,213).

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**1023**

**A study of the level of product damage from present day methods of loading at shipping point of field packed, unwrapped crisp head lettuce.**

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**1027**

**Utilization of a response-surface technique in the study of plant responses to ozone and sulfur dioxide mixtures (Lettuce, garden peas, radishes, foliar injuries of pollutants).**

Ormrod, D.P. Tingey, D.T.; Gumpertz, M.L.; Olszyk, D.M. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. May 1984. v. 75 (1). p. 43-48. ill. Includes 24 references. (NAL Call No.: 450 P692).

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1028

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HUHSA. Reyes, A.A. Smith, R.B. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1167-1169. Includes references. (NAL Call No.: DNAL SB1.H6).

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1032

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1033

**Effects of calcium and auxin on russet spotting and phenylalanine ammonia-lyase activity in iceberg lettuce.**  
HUHSA. Ke, D. Saltveit, M.E. Jr. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1986. v. 21 (5). p. 1169-1171. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

1034

**Identifying and reducing harmful ethylene level in commercial handling practices causing Russet Spotting in iceberg lettuce.**  
Kasmire, R.F. Saltveit, M.; Williams, D.M. Sacramento, Calif. : Iceberg Lettuce Research Advisory Board. Iceberg Lettuce Research Program annual report. Annual report: April 1, 1983-March 31, 1984. 1984. p. 141-150. ill. (NAL Call No.: DNAL SB351.L6125).

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1036

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1038

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**1039**

**Market diseases of fruits and vegetables  
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Ramsey and James S. Wiant.**  
Ramsey, Glen B. 1889-. Wiant, James S. 1900-.  
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produced in the following plants consumed  
directly in the United States are discussed:  
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garden peas; soybeans; alfalfa; groundnuts;  
cowpeas; sugar beets; grapes and grapevine  
leaves; parsnips; parsley; celery; safflower;  
and mulberry plants. A multidisciplinary effort  
is needed to establish a monitoring system for  
stress compounds in food. Many plants have not  
yet been investigated and little consideration  
has been given to environmental stress from  
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# PROTECTION OF PLANT PRODUCTS - INSECTS

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**Elements in major raw agricultural crops in the United States. 1. Cadmium and lead in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat.**  
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**Identification and determination of some metalaxyl degradation products in lettuce and sunflower (Pesticides).**  
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1265

Determination of polycyclic aromatic hydrocarbons in Canadian samples of processed vegetable and dairy products by liquid chromatography with fluorescence detection (Milled wheat, finished cereals, milk powders, malt, spinach, and cooking oils).  
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1266

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JFPRDR. Brackett, R.E. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Dec 1987. v. 50 (12). p. 999-1003, 1008. Includes references. (NAL Call No.: DNAL 44.8 J824).

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**Disappearance of dimethoate, methidophos and pirimicarb in lettuce (Residues).**

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BECTA. Jensen, K.I.N. Kimball, E.R.; Ricketson, C.L. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Dec 1985. v. 35 (6). p. 716-722. Includes references. (NAL Call No.: DNAL RA1270.P35A1).

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**1289**

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1290

**Physical injury to crisphead lettuce during box closing.**

Hinsch, R.T. AR-W. Rij, R.E. Alexandria, Va.,  
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**Isolation and further characterization of a heat resistant peroxidase isoenzyme from cauliflower.**  
JFDAZ. Lee, C.Y. Pennesi, A.P. Chicago, Ill. : Institute of Food Technologists. Journal of food science. Nov/Dec 1984. v. 49 (6). p. 1616-1617. Includes references. (NAL Call No.: DNAL 389.8 F7322).

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# HUMAN NUTRITION

1296

## **Women, birth control and nutrition. Perennial Education. -.**

Highland Park, IL. Perennial Education 1979.

Abstract: It is important for women to recognize that the use of either birth control pills or an intrauterine device (IUD) will affect their body's nutritional needs. The use of an IUD causes more menstrual blood flow and hence a larger loss of iron, for which the woman can take an iron supplement or better, eat more iron producing foods such as liver and broccoli. The use of the Pill causes a decrease in blood flow, hence a storage of iron, but also causes water retention, appetite stimulation, and a decrease in folic acid, Vitamin C, and vitamin B6 levels. A decrease in vitamin B6 levels can cause depression. If a woman using either of these contraceptives maintains a well balanced diet with no over use of sugar and salt, she should have no problems nutritionally. Women from mid-teens to mid-twenties need 2100 calories a day, which they can get from a diet of lean meat, leafy green and other vegetables, beans, fruit and grain. (NAL Call No.: TX357.W6 F&N AV).

# HOME ECONOMICS

1297

## **Pretty poisons.**

McBurnie, D. New York : American Baby, Inc.

Abstract: An illustrated overview discusses common house and garden plants and certain parts of everyday fruits and vegetables that are toxic to young children if eaten. Two common houseplants (dumbcane and philodendron) poison more children under age 5 than all other poisonous plants combined. It is estimated that plants poison as many as 250,000

Americans/year, with the majority of the victims being preschool children. Fruit and vegetable toxins include the seeds of apples, peaches, plums, and cherries, which contain cyanide, the uncooked sprouts ("eyes") and green parts of potatoes, the stems and leaves of tomatoes, and the leaf blades of rhubarb. Precautions that minimize child exposure are described.(wz). American baby. Sept 1985. v. 47 (9). p. 70-71, 83-84. ill. (NAL Call No.: DNAL HQ750.A2A4).

# POLLUTION

1298

**Cadmium-enriched sewage sludge application to acid and calcareous soils: relation between treatment, cadmium in saturation extracts, and cadmium uptake (by corn, chard, tomato).**  
Mahler, R.U. Bingham, F.T.; Sposito, G.; Page, A.L. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1980. v. 9 (3). p. 359-364. ill. 22 ref. (NAL Call No.: QH540.J6).

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**Covariate measurements for increasing the precision of plant response to O<sub>3</sub> (ozone) and SO<sub>2</sub> (sulfur dioxide, air pollution, radish, lettuce).**  
Ormrod, D.P. HUSA. Tingey, D.T.; Gumpertz, M. Alexandria : American Society for Horticultural Science. HortScience. Dec 1983. v. 18 (6,sec.1). p. 896-898. Includes references. (NAL Call No.: SB1.H6).

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1301

**Disappearance of dimethoate, methidophos and pirimicarb in lettuce (Residues).**  
Szeto, S.Y. Mackenzie, J.R.; Brown, M.J. New York, N.Y. : Marcel Dekker. Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes. 1984. v. 19 (2). p. 225-235. Includes references. (NAL Call No.: TD172.J61).

1302

**Effects of sulfur dioxide and ambient ozone on winter wheat and lettuce.**  
JEVQAA. Olszyk, D.M. Bytnerowicz, A.; Kats, G.; Dawson, P.J.; Wolf, J.; Thompson, C.R. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1986. v. 15 (4). p. 363-369. Includes references. (NAL Call No.: DNAL QH540.J6).

1303

**The effects of trivalent chromium from tannery wastes on plants (Tests with geranium and rhubarb).**  
Shivas, S.A.J. Easton, Pa., The Association. The Journal of the American Leather Chemists Association. Aug 1980. v. 75 (8). p. 288-299. 18 ref. (NAL Call No.: 303.9 AM32).

1304

**Extractability and plant uptake of trace elements from drilling fluids (Swiss chard, Lolium perenne, barites, soil pollution following completion of oil or gas wells).**  
Nelson, D.W. Liu, S.L.; Sommers, L.E. Madison, Wis. : American Society of Agronomy. Journal of environmental quality. Oct/Dec 1984. v. 13 (4). p. 562-566. Includes 12 references. (NAL Call No.: QH540.J6).

1305

**Growth response in spinach to sequential and simultaneous exposure to NO<sub>2</sub> (nitrogen dioxide) and SO<sub>2</sub> (Sulfur dioxide, pollution, Spinacia oleracea).**  
Hogsett, W.E. Gumpertz, M.L.; Holman, S.R.; Tingey, D.T. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1984. v. 109 (2). p. 252-256. ill. Includes references. (NAL Call No.: 81 SD12).

1306

**Precision and accuracy of visual foliar injury assessments (Bean, pea, radish, spinach, air pollution).**  
Gumpertz, M.L. Tingey, D.T.; Hogsett, W.E. Madison, Wis., American Society of Agronomy. Journal of environmental quality. July/Sept 1982. v. 11 (3). p. 549-553. 18 ref. (NAL Call No.: QH540.J6).

1307

**Utilization of a response-surface technique in the study of plant responses to ozone and sulfur dioxide mixtures (Lettuce, garden peas, radishes, foliar injuries of pollutants).**  
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# MATHEMATICS AND STATISTICS

1308

**Frequency distribution analyses of lettuce drop caused by *Sclerotinia minor*.**

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**Disorders in cabbage, bunched broccoli, and cauliflower shipments to the New York market, 1972-1985.**

PLDIDE. Ceponis, M.J. Cappellini, R.A.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Dec 1987. v. 71 (12). p. 1151-1154. Includes references. (NAL Call No.: DNAL 1.9 P69P).

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**A personal computer program for calculation of soil bulk density, coefficient of linear extensibility, and linear shrinkage.**

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**A review of cabbage pest management in New York: from the pilot project to the private sector, 1978-1982 (Insect control, databases).**

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